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JUNE 21, 1947

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No. 49

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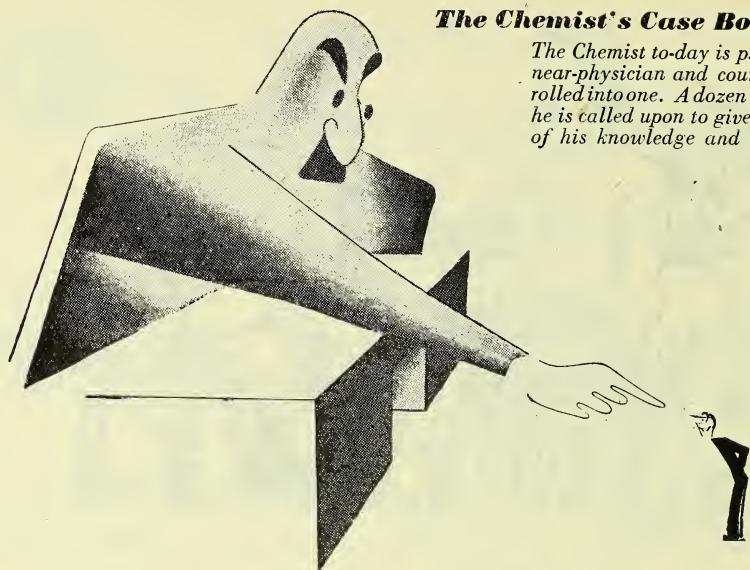


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# B.D.H. PRICE LIST

# -a new issue

Dated June 1947, our latest publication contains revised prices for a number of 'B.D.H. Medical Products'. The Drugs and Chemicals section has been extended to include prices for all forms of packing of each item.

Distribution will commence during the forthcoming week. A small allocation has been reserved and is available, on application, to those pharmacists who do not receive a copy through our normal distribution channels.

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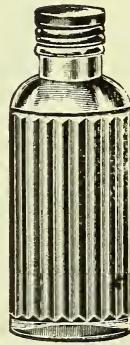


Fig. 722

## WHITE FLINT OVALS

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Plastic Cap  
29/9 grs.

2 oz. Cork  
mouth  
27/6 grs.



Fig. 708



Fig. 414

## 6 oz. CREAM JAR

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Fig. 826A

WHITE FLINT  
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with Screw Plastic  
Cap  
 $\frac{1}{2}$  oz. 1 oz. 2 oz.  
37/6 41/6 46/6 grs.

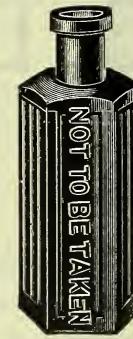


Fig. 387

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## 'ROCHE' NEWS IN BRIEF

### New Price List

A new edition of the Roche Price List is now available giving information on the recent additions and alterations, including 'Benerva' Vitamin B<sub>1</sub> tablets, each containing 10 mg. and 25 mg. neurine, 'Saridone' tablets, now made to an improved formula, etc. Copies of the List are available on application.

### Scorbutic Vertigo

As a result of investigations undertaken by him over a period of 15 years, the author is of the opinion that vertigo frequently has a scorbutic aetiology. During the course of this study 87 cases of vertigo with associated scorbutic conditions were recorded. After treatment with vitamin C 85% of these were either free from all symptoms of vertigo or had obtained definite relief, only 6% showing no improvement. The initial treatment was 500 mg. scorbic acid, given intramuscularly. *Gastroenterologica*, 1946, 71, 129.

### Shock, Injury, and Acute Infections

Recent experimental work has shown that many vitamins play much more fundamental roles in the animal organism than merely preventing or curing the well-known syndromes of curvy, beri-beri, etc. The results indicate that Vitamins B and C are important in connection with recovery from shock, injury, acute infections.

During the period of acute stress and for two or three days afterwards administration is suggested of 1 gm. vitamin C, 50 mg. vitamin B<sub>1</sub>, 50 mg. riboflavin and 500 mg. nicotinic acid daily, later reducing the intake to 200

mg. vitamin C, 10 mg. vitamin B<sub>1</sub>, 10 mg. riboflavin and 75 mg. nicotinic acid. (Ann. Surgery, 1946, 124, 840.)

### Pethidine in Obstetrics

The combination of pethidine ("demerol") and scopolamine, as used for obstetrical analgesia in a series of 300 deliveries, provided satisfactory relief of pain and amnesia. Adequate sedation was produced in 86% of the patients as compared with 48% in a control group given barbiturates, whilst the average length of labour was significantly shorter. No untoward effect upon the mothers was observed and there was no depressant effect upon the infants. "The absence of foetal anoxia was striking." (California Medicine, 1946, 65, 43.)

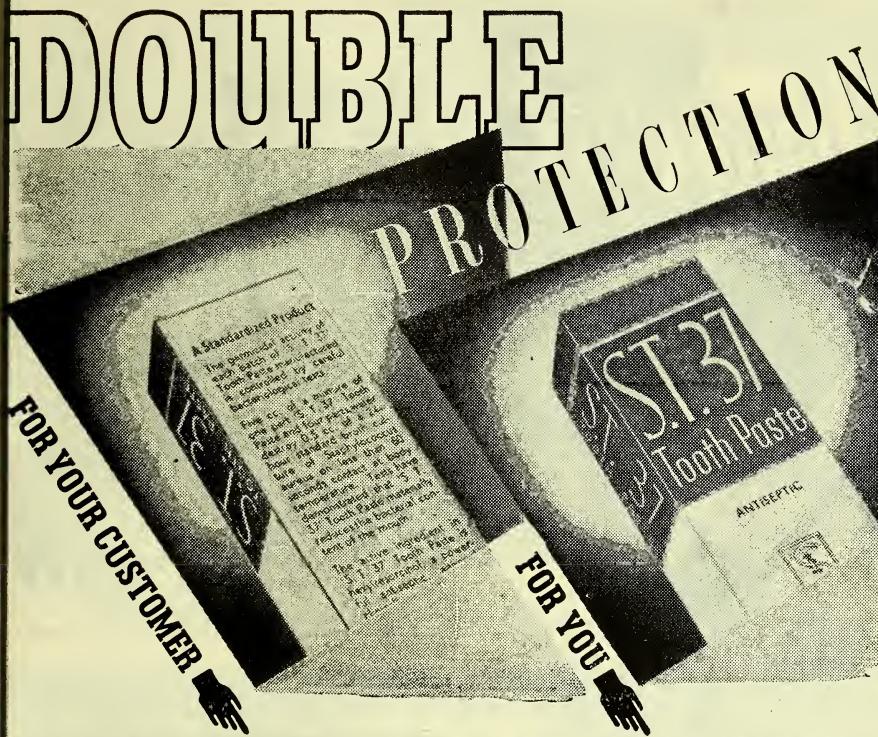
### Dosage is Important

Vitamin B<sub>1</sub> is now generally administered in large and often in massive doses. Palmer was perhaps the first in Great Britain to prescribe large oral doses. In the "Lancet"<sup>1</sup> he reported that 40 mg. daily was effective in a case of anorexia nervosa. American workers in 1939<sup>2</sup> recommended that the vitamin, to be effective in nervous disorders, be given in doses of 50 to 100 mg., and in 1941 Sinclair<sup>3</sup> expressed the opinion that in definite cases of deficiency the initial amount should be 20 mg. to 50 mg. by injection. To keep pace with medical opinion 'Benerva' Vitamin B<sub>1</sub> is now issued in tablets of 10 and 25 mg., in addition to the old strengths. (1. Lancet 1939, i, 269. 2. J.A.M.A. 1939, 113, 2105. 3. Post Grad. M.J., 1941, 17, 3.)

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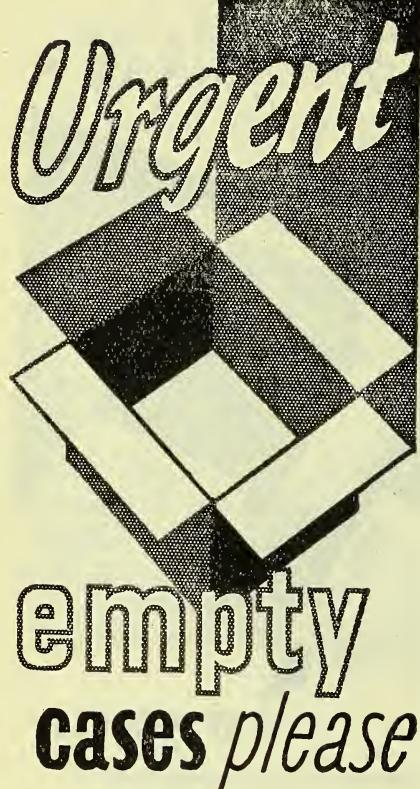
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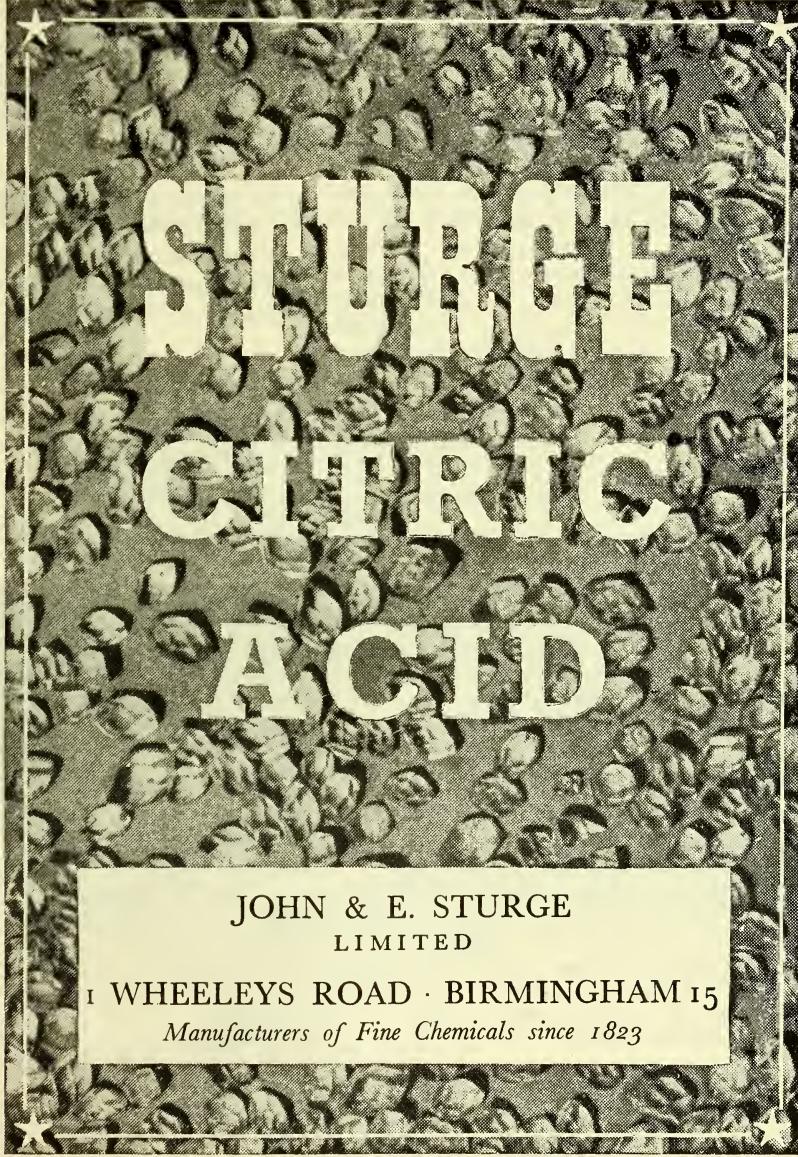
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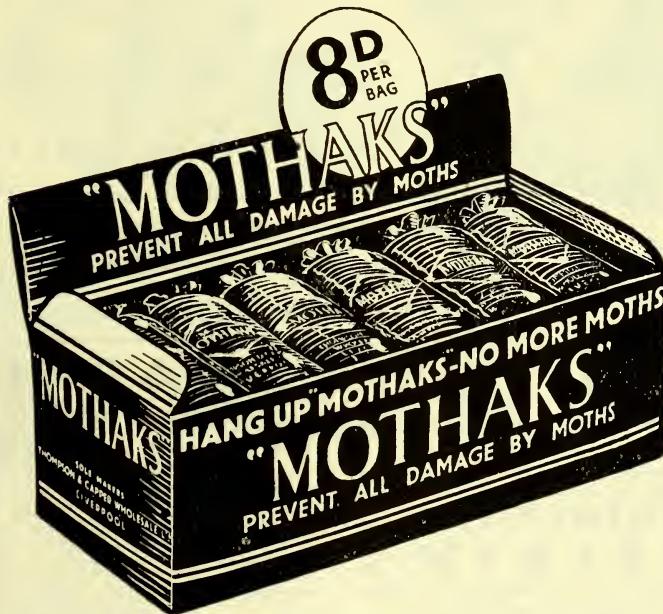
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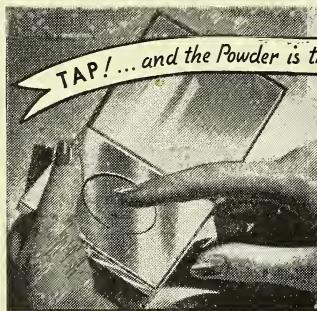
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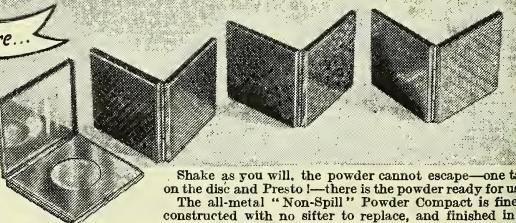
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(Purchase Tax extra)		
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Bonus 6 large @ 1/9	=	10 6
3 small @ 1/-	=	3 0
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## NEWS OF THE WEEK

**Cork Trade Export Group Formed.**—Fourteen firms, members of the Cork Trade Association, have formed the Cork Trade Export Group. Mr. R. R. Winch has been appointed secretary and the offices are at 11 Alie Street, London, E.1.

**Chemists' Trade in April.**—Sales by independent chemists in April were practically the same as in March, and, as recorded for most previous months, were 11 per cent. higher than a year ago. The percentage is almost exactly the same as that recorded for chemists' wares sold by large-scale retailers. For the period February-April the rise is nearly 10 per cent. for independents and 9 per cent. for large retailers.

**Soap Rationing.**—Coupons available during ration period No. 13, which begins on June 22, are the two upright pairs of small squares numbered K 49/50 and 51/52 on the large square number 13. In ration books R.B.1 and R.B.4 the coupon numbered 49/50 is worth one ration and the coupon numbered 51/52 two rations of soap. The two whole coupons in ration

book R.B.2 are each worth two rations of soap.

**Exhibition of Scientific Instruments.**—"Precisely Yours," an exhibition of British Scientific Instruments presented by the Ministry of Supply with the co-operation of the Scientific Instrument Manufacturers' Association, was opened recently at Charing Cross Underground Station, London, and will remain open until July 3. The exhibition, though small, gives an idea of the tremendous strides taken by the scientific instrument industry and shows the contribution which it has made to the export drive.

**Confectionery "Off the Ration."**—At the annual conference of the National Union of Retail Confectioners recently, a resolution was passed "viewing with concern the sale of sweets and sugar confectionery off the ration at exorbitant prices under the name of medicated sweets." When the resolution was moved it was pointed out that no objection was taken to the sale of legitimate medicated sweets; the resolution was designed to restrain

abuses said to be committed largely by street and market-place traders.

**N.H.S. Time-table Modified.**—Following the Prime Minister's recent announcement that "the appointed day" for purposes of the National Health Service Act would be July 5, 1948 (see *C. & D.*, June 14, p. 681), the Minister of Health has circulated to local authorities the following amended time-table of the latest dates for the submission of proposals:—Care of mothers and young children (section 22), midwifery (section 23), health visiting (section 24), home nursing (section 25), prevention of illness, care and after-care (section 28), domestic help (section 29), duties under Lunacy and Mental Treatment Acts and Mental Deficiency Acts (section 51), October 31, 1947; health centres (section 21), December 31, 1947.

**Leprosy Exhibition.**—An exhibition organised by the British Empire Leprosy Relief Association was held in London recently. The displays dealt with many aspects of leprosy—a disease affecting some two million British subjects—including factors favourable to the spread of the disease (e.g., malnutrition and overcrowded living conditions); characteristics of the disease and its lesions; and modern leper settlements. Medicaments available for fighting the disease which were illustrated included samples of chaulmoogra oil and Diasome, a sulphone preparation (disodium formaldehyde sulphoxylate 4:4' diamino diphenyl sulphone) presented for oral administration by Abbott Laboratories (Eng.), Ltd., and which is proving of use in leprosy treatment. The exhibition is to visit a number of other centres throughout the British Isles during the next two years.

## LOCAL NEWS

**Liverpool Talk on Market Research.**—The benefit of market research to the manufacturer and the retailer was described by Mr. A. K. Chappell at a meeting of Evans Scientific Society, a discussion group organised by Evans Medical Supplies, Ltd., in Liverpool on May 30.

**Newcastle and Northumberland Officers.**—The following have been appointed officers of the Newcastle and Northumberland Branch of the Pharmaceutical Society for 1947-48:—*President*, Mr. H. Thom; *Vice-president*, Mr. A. McGuckin; *Treasurer*, Mr. J. Ridley; *Secretary*, Miss K. Bell, 38 Eslington Terrace, Newcastle-on-Tyne, 2.

**Liverpool Executive Council.**—The Executive Council for Liverpool, constituted under the National Health Service Act recently, includes Alderman W. Tristram, M.P.S. (nominated by the local health authority) and Messrs. G. L. Chul M.P.S. and J. L. Hirst, M.P.S. (nominated by the Liverpool Pharmaceutical Committee).

**Hull Officers.**—At the annual meeting of the Hull Chemists' Association a Branch of the Pharmaceutical Society recently, the following officers were appointed:—*President*, Mr. B. Foster; *Senior Vice-president*, Mr. J. Harrison; *Junior Vice-president*, Mr. J. Barritt; *Secretary*, Mr. J. Small, 3 Alderidge Avenue, Hull; *Minute Secretary*, Mr. K. Clappison; *Social Committee*, Mrs. E. Brocklehurst, Miss P. Harrison, Mrs. T. L. McNicol, a Miss E. Palmer; *Committee*, Messrs. Bays, R. J. Barrett, E. A. Brocklehurst, W. T. Brown, G. J. Hall, G. Hind and Hindle.

**Scottish Chemists' Bowls.**—The annual rink competition for the Ayrton Saunderson challenge trophy was held in Kirkcaldy on June 4, ten rinks taking part. The West of Scotland secured a majority of twenty-nine shots, the totals being West 111, East 92. Highest up rink (13 up) consisted of Messrs. J. L. Thomson, J. A. Nisbet, J. Menzies and W. Peebles, the rink receiving the trophy, with prizes for the individual members. Runners-up were Messrs. D. M. Dick, D. Cuthill, J. C. Murdoch and J. W. Logie who received prizes donated by W. & H. Hatrik, Ltd. Following the game annual meeting of the Association was held Mr. D. M. Dick presiding. Officers for the year were elected as follows:—*President*, Mr. J. W. Logan; *Vice-president*, Mr. Walter Ferrier; *Secretary and Treasurer*, Mr. W. Peebles; *Committee*, Messrs. Hendry, J. L. Thomson, A. W. Calder and D. M. Dick.

**Talk on New Zealand Pharmacy.**—A talk on pharmacy in New Zealand was given at the annual meeting of the Hawke's Bay Branch of the Pharmaceutical Society on June 12 by Mr. H. M. Westwood, a New Zealand pharmacist. Mr. Westwood said that the national health service in the country had proved of benefit to the community and there had been no clash with pharmaceutical interests. After comparing pharmaceutical conditions in New Zealand and Great Britain, the speaker said Britain was looked to for guidance in education.

icy and technical advances. A vote of thanks was proposed by Mr. T. B. Robinson and seconded by Mr. E. C. Meredith. The following officers were then elected:—  
*Chairman*, Mr. J. M. Atkinson; *Vice-chairman*, Mr. R. Goode; *Treasurer*, Mr. F. Conduit; *Secretary*, Mr. H. W. Komski, 21 Hillcroft Avenue, Pinner, Middlesex; *Deputy Secretary*, Miss D. I. organ.

## IRISH NEWS

**Dublin Strike Negotiations.**—At the time of going to press, further negotiations were taking place in an attempt to resolve the strike of wholesale drug employees in Dublin (see *C. & D.*, March 8, p. 328), but settlement had been reached.

**Lectures to Dublin Students.**—At the College of the Pharmaceutical Society of Ireland the second of a series of lectures sponsored by the Students' Representative Council was given recently by Professor Ley Butler who read a paper on "The Application of Science to Industry," with special reference to the death watch beetle. The lecture was illustrated by lantern slides. A later date Mr. P. A. Brady (vice-president, Pharmaceutical Society of Ireland) read a paper on "Pharmacy in Old Dublin," including references to such historical events as the inauguration of the Apothecaries' Hall, and the founding of the Pharmaceutical Society of Ireland.

**Belfast Pharmacy Courses.**—Pharmaceutical students attending the Belfast College of Technology may be affected by decision of the technical instruction sub-committee of Belfast Corporation that,

owing to the congestion in all classes, students living outside the city boundary will not be accepted. There is a proviso, however, that where country students can produce a voucher from their own authority certifying that suitable classes are not available locally, they will be admitted to the Belfast College where the course for Part II of the Pharmaceutical Society of Northern Ireland's examination is usually taken.

**Ulster Chemists' Golf.**—The Ulster Chemists' Golfing Association's annual competition for the McMullan cup took place at Castlerock on June 4 with fifty-six competitors. Mr. C. Connolly won the trophy by defeating Mr. A. T. Hardy in the final 2 and 1. The non-retailers' competition was won by Mr. R. Quirley, with Mr. J. R. Jeffers runner-up. Mr. R. A. Clarke won the afternoon bogey competition, with Mr. W. J. Kennedy second. At the annual meeting of the Association, held the same day, Major F. A. McMullan (chairman) welcomed members and paid tribute to the work of Mr. J. McClenahan who had recently resigned from the secretaryship. Mr. F. D. McMullan was elected *President*, and Major McMullan and Messrs. R. B. Groves, and W. J. Rankin, *Vice-presidents*, on the proposals of Messrs. H. McCracken and H. Marshall. The *Committee* was re-elected with the addition of Messrs. C. Hall and W. G. Kennedy to fill vacancies caused by the retirements of Messrs. S. H. Forrest and J. R. Guiler. Mr. J. A. McRoberts was elected *Treasurer*, and Mr. W. H. Boyd *Secretary*. Mr. E. Allen was elected captain of the B.D.H. cup team.



**INTER-IRISH FOOTBALL.**—During a recent visit to Dublin (see *C. & D.* June 14, p. 674), pharmaceutical students from Belfast played a football match against a team representing their hosts, the Dublin students. The two teams (Dublin with dark shirts, Belfast with white) are shown above.

## LEGAL REPORTS

**Napkins Into Face Cloths.**—Accused by the Board of Trade at Croydon on June 13 of illegal transfer of clothing coupons, and of using utility (controlled) material in the conversion of babies' napkins into face cloths, William Parmiter Cole, trading as Vincent & Co., chemists, 1347 London Road, Norbury, London, S.W.16, and his manageress, Mrs. Beatrice Mary Parsons, both pleaded guilty. Prosecuting solicitor disclosed that Mrs. Parsons discussed with Cole the making of face cloths to meet the shortage. She bought two packets of babies' napkins, using coupons she said she had obtained at 1s. 6d. each from a stranger she had met casually in the West End of London. The cloths were sold in the shop at 2s. each which, according to the prosecution, left a profit of 1s. 5d. each. Mrs. Parsons knew no more of the vendor of the coupons than that he came from Newcastle; she was reimbursed for them by her employer. Manufacture of face cloths from controlled material had been prohibited since 1941. The offence was discovered when a Board of Trade accountant was in the shop on January 17, and saw eight face cloths exposed for sale. In mitigation, it was urged that there was no suggestion of black market transactions. Everything was openly done, except for the acquisition of the coupons. Mr. Cole had been at Norbury for twenty-seven years without previous complaint. Each defendant was fined £10 for the coupon offence, and £1 on the other summons. Mr. Cole was ordered to pay £5 5s. costs.

**Authority for a Poisons Rule.**—When Messrs. G. Wilson and C. Clark, trading as nurserymen at 223 The Broadway, Cricklewood, were summoned at Willesden police court on June 9, under the Pharmacy and Poisons Act, 1933, for alleged offences in connection with the selling of nicotine in fumigating shreds, the suggestion was made that the Home Secretary had acted *ultra vires*. The hearing of the summonses against Clark was adjourned *sine die*, but the case against Wilson proceeded. Wilson's counsel objected that the Secretary of State was empowered only to make Rules dispensing with or relaxing provisions relating to poisons, and had no power to impose additional restrictions on the sale of a Part II poison (nicotine). Rule 6 (by which nicotine is included in the First Schedule to the Rules and is subject to special restrictions relating to the persons to whom

poisons may be sold and the keeping records of sales) was therefore *ultra vires* the Minister's powers. In reply, it was represented that Section 23 (1) (b) (i) of the Act gave the Secretary of State power to regulate or restrict the sale of poisons to listed persons. That was what he had done. Fines totalling £12 were imposed against Wilson, with £2 2s. costs.

**Trade Mark Appeal Dismissed.**—The Court of Appeal, London, dismissed June 11 an appeal by A. Wander, Ltd., Queen's Gate, London, S.W.7, from judgment given in the Chancery Division on November 13, 1946, affirming the registration as a trade mark for sulphadiazine preparations of the word Diasil, applied for by Bayer Products, Ltd., Waterloo Place, Pall Mall, London, S.W.1. Appellant's complaint was that the word so nearly resembled their own trade mark Alasil (registered in respect of preparations in which acetylsalicylic acid formed the basis) as to be calculated to deceive and cause confusion in the mind of the public. For the appellants, it was represented that the judge had held that, as sulphadiazine preparations were of a poisonous character, and the distribution and sale were regulated by the Pharmacy and Poisons Act, 1933, special circumstances were created that would avoid the possibility of deception and confusion. Bayer Products, Ltd., had placed nothing on the market under the name Diasil, and it was pointed out that there were many word marks registered in the pharmaceutical class that ended in "syl" or "syl." The Master of the Rolls, giving judgment, said it had been argued that too much weight was attached by the Assistant Comptroller of Trade Marks, and by the Chancery Division judge, to the fact that sulphadiazine preparations were subject to the Pharmacy and Poisons Act. His lordship said he did not agree. Once the position was reached where only a doctor could order, and only a chemist supply, a sulphadiazine preparation on a written prescription, there was an assurance that the article was going to pass through the hands of a skilled person. That was sufficient to prevent any reasonable probability that the deception and confusion would be caused in the minds of the public between the words Diasil and Alasil. He thought that the appeal should be dismissed. Lords Justices Cohen and Asquith agreed, and the appeal was dismissed, with costs.

## TOPICAL REFLECTIONS

### n Interesting Council Meeting

The election of Mrs. Irvine as president of the Pharmaceutical Society (pp. 690, 695) is a significant event. Her assumption of office brings the Society into line with other learned bodies which have recognised the claims of women to the highest honours; and she enters on her duties with many good wishes. In reading old plays and romances, I have often thought that the balance of psychological interest inclines too far to the male side: the women are less developed, less human, than the men. The gradual redressing of this balance, from about 1750 onwards, may be regarded as an index of a corresponding change in our social climate—a change, by general consent, for the better. Mrs. Irvine takes over from her predecessor in the chair some problems that the exercise of her tact may succeed in solving. One such matter was raised at the recent Council meeting: refer to discussion of many reports in committee. This is an old grievance that should be dealt with boldly. So much has been written about it that I need not go over the ground again at the moment. The announcement that the Society is committed to heavy annual payments in respect of its College must have come as a shock to those members who had not seen a previous intimation. Some years ago I suggested the disposal of the College before it became a heavier burden. That suggestion fell on deaf ears; and even now the Finance Committee of the Council does not seem certain that we know the worst. Too high a price can be paid for prestige.

### A Remarkable Microscope

More will no doubt be heard of the new microscope shown at the annual conversation of the Royal Society (pp. 682-83). As is well known, there has hitherto been a gap between what is disclosed by the "lens" microscope and what is disclosed by the electron microscope. I gather that the principle from which the new instrument starts is that mirrors have the same optical relation to all wavelengths of light. As your readers will have noticed, mirrors do the work of lenses in this apparatus. The old microscopes illustrated on p. 683, and others like them, are often ingenious and occasionally elegant, but lack sufficient precision for modern demands. Microscopical research has been closely associated with the Royal Society from its early years. Malpighi, Leeuwenhoek, Hooke and Grew published

results under its auspices. Hooke's "Micrographia" appeared in 1664, soon after the Society had received its first charter. Histological discoveries by Grew and Malpighi followed in quick succession, throwing much-needed light on animal and vegetable tissues. Samuel Pepys, who is a competent witness if not a very serious student, has recorded in his Diary for January 22, 1664: "Before I went to bed I sat up till two o'clock in my chamber reading of Mr. Hooke's 'Microscopical Observations,' the most ingenious book that ever I read in my life." Hooke's introduction to that book indicates his hopes for the future of science; and his work as an official of the Royal Society is of definite importance in scientific annals. Coming to recent years, the sensation caused by the microscope (another Royal Society exhibit) designed by Mr. Barnard is still fresh in mind; and now a further advance in microscopy is promised. The making of instruments of this type is, naturally, a laborious and costly process on account of the extreme accuracy demanded.

### The Green Man

Memories of some wayside inn seen in passing are suggested by the words at the head of this paragraph: the name is said to be derived from the circumstance that the coat of the mediæval forester was usually green. We are not concerned here, however, with that but with the action of Kiton fast green V, mentioned as a diagnostic agent in a paper by Mr. T. D. Whittet (p. 692). On receiving an injection of it, we read, "The patient gradually assumes a greenish colour . . . the face being deeper than the rest of the body. During the first half-hour the colour deepens . . . generally disappearing within eight to ten hours." The patient is, no doubt, kept under observation till the reaction is complete: a procession of green-faced men leaving a hospital in broad daylight might attract unwelcome attention. Discoloration of the skin in some pathological conditions is a trouble to be endured with what philosophy a patient can muster. One instance is the yellow of icterus; another is the slate-colour of argyria. The device of facial disguise in an emergency has been used by Shakespeare. In Act I, Scene iii, of "As You Like It" he makes Celia say, when she is arranging flight from her father's court: "I'll put myself in poor and mean attire. And with a kind of umber smirch my face." Xrayser

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE Finance Bill, which entered its Committee stage on June 10 and 11, brought a vigorous protest against the continuance of the standard rate of income tax at 9s. in the £ from MR. GURNEY BRAITHWAITE. MR. H. DALTON (Chancellor of the Exchequer) replied, "I should be disappointed if we could not get a reduction in due course."

The profits tax was assailed by MR. DAVID ECCLES. It meant, he said, that every year every company would have to wrestle with two computations—one for income tax and the other for profits tax. It would have been better to put another shilling on income tax in respect of company earnings, or to instruct all companies to hold back a percentage of dividends; that was done in other countries and was much fairer. MR. DALTON replied that the course would have involved a further differentiation within the income-tax scheme.

### Purchase Tax Items

Again in the committee stage of the Finance Bill on June 17, MR. H. N. LINSTEAD moved an amendment to remit purchase tax on medicines and medical and surgical appliances. MR. J. BAIRD urged remission of purchase tax on tooth-brushes, at present classified with nail-brushes as "aids to beauty." MR. W. G. HALL (Financial Secretary to the Treasury) said the tax on tooth-brushes and paste did not constitute an excessive burden on the individual. Taxed medicines were those not essential to the life of the community and taxed appliances were those impossible to classify as particularly applicable to hospitals. Exemption would cost the Exchequer £9,000,000. Mr. Linstead's amendment was, by leave, withdrawn. An amendment to exempt tooth-brushes from purchase tax was defeated by 257 votes to 107. An amendment moved by MR. J. REEVES to exempt 16-mm. cine projectors from purchase tax was accepted by MR. HALL, who said the cost would be £100,000.

### Transport Bill in Lords

The Transport Bill had a rough start in its Committee stage in the House of Lords, with several Government defeats. One amendment carried against the Government deleted that subsection of the Bill which

states that, in framing programmes of reorganisation or development involving substantial outlay on capital account, the Commons should act on lines settled from time to time with the approval of the Minister. The committee stage continues.

### Linseed Oil

In the House of Commons on June 9 COLONEL J. R. H. HUTCHINSON asked the Minister of Food whether his department had made any attempt to secure surplus linseed oil in Holland. MR. JOHN STRACHEY: Recent reports that Holland had surplus linseed proved to be untrue.

COLONEL HUTCHINSON: Is the Minister satisfied that the allocation as between Holland and this country is fair in all circumstances?—MR. STRACHEY: I am seldom if ever, satisfied with an allocation, and am always pressing to get a higher one. Mr. Strachey continued that he had not seen a report that bulk purchasing arrangements had enabled Britain to buy linseed oil more cheaply than her competitors "but it is perfectly true that many of our competitors consider that we have purchased a very much larger share of the linseed oil available and at a very favourable price." He informed the same questioner on June 14 that there was no prospect of obtaining linseed oil from the U.S.S.R.

### Soap, Household and Toilet

MR. V. J. COLLINS asked the Minister of Food on June 9 if he was aware of an extreme shortage in Taunton of white and carbolic soap for cleaning and washing but that toilet soap was more easily obtainable and whether he would take steps to remove the inequality. Was the Minister further aware that some manufacturers of toilet soap were making offers to retailers who had no entitlement, and was there not some connection between that fact and the present shortage of white and carbolic soap?

MR. STRACHEY replied that he had asked manufacturers to increase the proportionate output of hard soap, but they had not yet caught up with the production lost during the fuel crisis. "I believe they will be able to do so now." He promised to look into a general shortage of soap flakes and soap powder.

## Soft Drinks Prices

On June 11 MR. WILSON HARRIS asked the Minister of Food what relations existed between his Department and the soft drinks industry, and if he would fix a lower maximum price for S.D.I. products. DR. EDITH SUMMERSKILL (Parliamentary Secretary): The soft drinks industry operates under a concentration scheme administered by the Soft Drinks Industry (War-time) Association, the committees of which are elected by the industry. Two representatives of the Minister possess over-riding voting powers. The present maximum prices have been in force since 1943 and are now under review on a claim by the industry that their costs

have increased since that time. No decision has yet been given.

## Penicillin Bill Read a Third Time

The Penicillin Bill received an unopposed third reading on June 12, after MR. E. P. SMITH had objected to its drafting, declaring that it gave the Minister of Health the power to control substances which at present might not even have been discovered, limited the use of penicillin to duly qualified medical practitioners, but barred those who had been struck off the Register, and those who had resigned from it, while any Minister of the Crown could obtain an unlimited supply.

## COMPANY NEWS

**ZEBS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Stanley Z. Jackson signs as director. R.O.: 27 East Parade, Leeds, 1.

**PADDON, WATTS & CO., LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists and druggists, opticians, etc. Samuel T. Paddon, M.P.S., and Isabel Paddon, directors. R.O.: 598 Attercliffe Road, Sheffield, 9.

**CHARLES CHEMISTS, LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, druggists, opticians, etc. Mrs. Joanna Capper, M.P.S., and Hans E. Eilenberg, directors. R.O.: 45 Waddon Road, Croydon.

**JOHN KERR (DETERGENTS), LTD. (P.C.).** Registered in Edinburgh. Capital £2,000. To carry on the business of chemical manufacturers, etc. First directors are not named. R.O.: 268 Mathieson Street, Glasgow.

**APROLA, LTD. (P.C.).**—Capital £3,000. To carry on the business of manufacturers of, and wholesale and retail dealers in, chemicals, drugs, etc. George T. Waring and Mrs. Joan M. Waring, directors. R.O.: 28 Kennedy Street, Manchester, 2.

**LAMEL, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Lionel H. Lamoon, Audrey M. Lamoon and John G. W. Yager, M.P.S., directors. R.O.: 19 Marefair, Northampton.

**FRANK LEDSHAM, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists. Frank H. Ledsham, M.P.S. and Alfred H. Ledsham, directors. R.O.: 191 Kingston Road, Ewell, Surrey.

**W. H. KENDREW, LTD. (P.C.).**—Capital £3,000. To acquire the business of a chemist and druggist carried on by W. H. Kendrew. W. H. Kendrew, M.P.S., Margaret A. Kendrew and T. J. Kendrew, directors. R.O.: 50 Ash Street, Southport.

**BIO-COSMETICS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing and research chemists, etc. C. T. Howard and Lucien F. A. Howard, directors. R.O.: 310 High Holborn, W.C.1.

**IVOR OWEN, LTD. (P.C.).**—Capital £500. To acquire the business of a chemist and druggist carried on at 5A Cornerswell Road, Penarth. Elizabeth J. Owen and Elwyn Owen, M.P.S., directors. R.O.: Bank Chambers, Wellfield Road, Cardiff.

**VOCALZONE CO., LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. William Lloyd, John M. Lloyd and Marion L. Lloyd, directors. R.O.: 12 Llammas Street, Carmarthen.

**A. P. SAMPSON, LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Aubrey P. Sampson, M.P.S., Edna M. Sampson and Percy Caswell, M.P.S., directors. R.O.: 83 High Town Road, Luton.

**W. H. PRICE, LTD. (P.C.).**—Capital £1,000. To acquire the business of a chemist and druggist carried on by Ethel Price. Ethel Price, Kenneth W. Price, Queenie E. Attwood and Marjorie A. Ormerod, directors. R.O.: Comberton Hill Pharmacy, Kidderminster.

**CULINA PRODUCTS, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing and dispensing chemists and druggists, etc. George W. Marsden and Kathleen M. Marsden, directors. R.O.: 37 Dryclough Road, Crossland Moor, Huddersfield.

**JAMES WOOLLEY, SONS & CO., LTD.**—Mr. George Stephen Woolley has been appointed chairman of the company.

**BENGERS, LTD.**—Profit for the year 1946 amounted to £32,954, as against £28,988 in the previous year. A final dividend of 7½ per cent. is recommended, making 10 per cent. for the year, the same as in 1945.

## MARRIAGES

**FOWLER—MITCHELL.**—At Leicester, on June 7, Harold William Fowler, Ph.C. (a director of Sturton & Sons, Ltd., 78 Bridge Street, Peterborough) to Joan Hilda Mitchell, Leicester.

**ROBINSON—MONAGHAN.**—At Glasgow, on June 2, Eric Robinson, M.P.S., 5 Broadway Parade, North Harrow, Middlesex, to Agnes McCulloch Monaghan, M.A., Twechar.

**Golden Wedding.—CARTWRIGHT-HALL.**—In Edinburgh, on June 10, 1897, Benjamin Cartwright, M.P.S., to Mary Ann Hall. Present address: 15 Scott Crescent, Galashiels.

## DEATHS

**CHURCH.**—On May 27, Mr. Edward Harry Church, 53 Glyson Road, Cambridge, aged eighty. Mr. Church qualified in 1888 and passed the Pharmaceutical Chemist examination the following year.

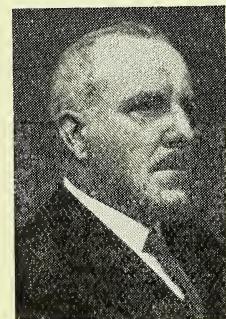
**DAVIES.**—On June 3, Mr. Henry John Davies, M.P.S., 134 Goldhawk Road, Shepherds Bush, London, W.12, aged seventy-five.

**DUCK.**—On June 11, Mr. Richard Weatherill Duck, M.P.S., Four Winds, Westfield Avenue, Whitchurch, Glam, aged fifty. Mr. Duck was the son of the late Mr. W. G. Duck, M.P.S., St. John's Square, Cardiff.

**GRAY.**—On June 14, after an illness lasting several months, Mr. John Warren Gray, J.P., president of the Pharmaceutical Society of Northern Ireland. Mr. Gray served his apprenticeship in Dublin, and qualified in that city. He afterwards entered the business founded by his father (the late Mr. John Gray, Armagh). He was co-opted to the Council of the Society in 1936, holding previously held

office as treasurer and vice-president before attaining the presidency. He is survived by his widow.

**HENDERSON.**—At 52 Prestwick Road, Ayr, on June 10, Mr. John McGregor Henderson, Ph.C., 71 High Street, Ayr. Mr.



Henderson qualified in 1900 and passed the Pharmaceutical Chemist examinations in 1902.

**KIERNAN.**—At St. Bartholomew's Hospital, London, E.C.1, on June 10, after a short illness, Mr. Francis Anthony Kiernan, M.P.S., 5 The Orchard, Welwyn Garden City, aged fifty-one. Mr. Kiernan was chief assistant pharmacist to St. Bartholomew's Hospital. A native of Manchester, Mr. Kiernan qualified as a chemist and druggist in 1920.

**PRIDDEY.**—Suddenly, on June 1, Mr. George Robert Priddey, M.P.S., chief pharmacist at the Manchester Royal Infirmary, aged sixty-one.

**PROCTER SMITH.**—At 7 Brambledown, London, N.4, on June 7, Mr. H. Procter Smith, A.R.I.C., F.C.S., for many years chief chemist to John Summers & Sons, aged seventy-one. He was the father of Mr. H. Procter Smith, M.P.S. (Herts Pharmaceuticals, Ltd., Welwyn Garden City).

**RUBECK.**—At the Chatelet, Balcombe Road, Horley, Surrey, on June 2, Mr. Gustav Rubeck, aged eighty-three. Mr. Rubeck was the proprietor of G. Rubeck Co., shellac merchants, 1 Leadenhall Street, London, E.C.3. The funeral took place from St. Bartholomew's Church, Horley, June 5.

**SLEIGHT.**—On May 21, Mr. Fred Sleight, 3 Lansdown Place, Clifton, Bristol, 8. Mr. Sleight qualified in 1889.

**WOOLER.**—At 17 Eastgate Street, Gloucester, Mrs. Violet Wooler, a director of Ward & Woodland, Ltd., chemists, Eastgate Street, Gloucester.

## WILLS

**MR. FREDERIC INGRAM JOHNSON, M.P.** 60 Waterloo Road, Bedford, left £2,221 with net personality £2,170.

**MR. JOHN EMRYS JONES, M.P.S.**, Gwyl St. Asaph, Flintshire, left £4,800, with net personality £960.

**MR. LLEWELLYN MORGAN, M.P.S.**, Lewis Road, Crynant, nr. Neath, Glam, left £561, with net personality £467.

**MR. PERCY WAINWRIGHT, M.P.S.**, Sheenwalks, Townville, Pontefract, left £2,900 with net personality £430.

**MR. WILLIAM PORTER OSBORNE, M.P.** Market Place, Watlington, Oxon, left £3,356, gross, with net personality £1,944.

**MR. HENRY GRAHAM DANIEL, M.P.** Webley Hotel, St. Dogmaels, Cardigan, formerly of St. Swithin's Lane, London, E.C.2, left £7,326, with net personality £6,292.

## PERSONALITIES

MR. J. D. BOHN has been elected an honorary member of the Wholesale Drug Trade Association.

DRS. F. H. S. CURD, D. G. DAVEY, and L. ROSE were presented on June 17 with the gold medal in therapeutics of the Society of Apothecaries in recognition of their joint researches which culminated in the production of the antimalarial agent quindrine.

DR. K. B. WILSON and MR. G. J. H. ASKER (research department, dyestuffs division, Imperial Chemical Industries, Ltd.), have been awarded the Moulton medal by the Institution of Chemical Engineers for a paper on the design of tubular reactors (including catalytic converters used in the manufacture of phthalic anhydride).

MR. T. A. ALLSOOPP, J.P. (the only member of the Derbyshire Insurance Committee to have served since 1911) has accepted the chairmanship of the county Executive Council to be set up under the National Health Service. He is a past-president of the National Association of Insurance Committees, and a past-chairman of the North-Western Pricing Bureau.

DR. C. E. K. MEES, F.R.S. (vice-president and director of research of Eastman

Kodak Co.) is now in Britain after completing a tour of the Continent. While in Britain he is to give several lectures to scientific bodies on research organisation. Dr. Mees, who was born in England, began his career as a photographic manufacturer with Wratten & Wainwright, and carried out later photographic research work in conjunction with E. Sheppard.

MR. A. W. JOHNSON, PH.D., is one of two recipients of the Meldola medal awarded for work done in 1946. The medal is presented by the Society of Maccanians, on the recommendation of the council of the Royal Institute of Chemistry, to the chemist of British nationality under thirty years of age whose published original research work shows the most promise. Dr.

Johnson, who was a member of the research department, Imperial Chemical Industries Dyestuffs Division, until October 1946, has taken up an I.C.I. Fellowship at Cambridge University, working with Professor A. R. Todd. He originally worked under Professor Sir Ian Heilbron at Imperial College, London, on vitamin A and related polyenes.

MAJOR T. KNOWLES (head of the By-products Branch, Ministry of Fuel and Power) received the C.B.E. from the King at an investiture on June 10. Major Knowles, who during the 1939-45 war was Coal Tar Controller, is a past chairman of the British Plastics Federation and the Association of British Chemical Manufacturers (fine chemicals section); was founder president of the Institute of Export; and is a past member of the Grand Council of the Federation of British Industries.

**BIRTHDAY HONOURS.**—Amongst those whose names appeared in the Birthday Honours list published on June 12, were MESSRS. J. S. DODD (a past president of the Association of British Chambers of Commerce), and A. McCANCE, F.R.S. (a member of the Advisory Council to the Committee of the Privy Council for Scientific and Industrial Research), and DR. R. A. YOUNG (consulting physician, Middlesex and Brompton Hospitals) (Knights Bachelor); MESSRS. J. E. C. BAILEY (managing director of Baird & Tatlock, Ltd.), O. F. BROWN (assistant secretary, Department of Scientific and Industrial Research), J. A. GUNN (chairman, British Pharmacopoeia Commission), and T. M. HARBOTTLE (chairman, Local Price Regulation Committee, Northern Region, Board of Trade), all of whom are awarded the C.B.E.; MESSRS. R. ADDIS (chairman and managing director, Addis, Ltd.), J. D. G. DAVIES (a past assistant secretary of the Royal Society), N. HOWARD-JONES (director of the Medical Department, British Council), and MAJOR HORACE HASLETT (chairman of J. & J. Haslett, Ltd., wholesale druggists, Belfast), who have received the O.B.E.



## TRADE NOTES

**Soap Supplies.**—Finley-Kale, Ltd., 21 Balham Hill, London, S.W.12, offer to supply Maiday soap against retailers' ration allocations.

**Packed Pharmaceuticals.**—A six-page folder card listing many of the pharmaceutical chemicals issued by May & Baker, Ltd., Dagenham, has been made available by the company.

**Supplies from Stock.**—Louis Goldhill, sponge importer, 29 Cricklewood Broadway, London, N.W.2, can supply from stock all sizes and qualities of Turkey and honeycomb sponges.

**Bottles from Stock.**—M. J. Fecher, Ltd., 121 High Street, Slough, Bucks, are in a position to supply, from stock, white flint ovals and squares in certain sizes, hexagon poison bottles, and 6-oz. cream jars.

**Cake Make-up.**—Rimmel Distributors, 43 North Row, Park Lane, London, W.1, have introduced a handbag-size powder cake in plastic containers. The product is available in seven shades.

**In Limited Supply.**—Domestos, Ltd., Works, Newcastle-on-Tyne, 6, state that they are unable at present to meet in full the demand for Stergene washer and cleanser, but hope to be in a position to send out increased supplies before long.

**Increase in Prices.**—John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, announce a forthcoming increase in the price of certain of their specialities, including Kaldrox and Protoids. The new prices are effective from July 1.

**End of Bonus Offer.**—Cross & Max, Ltd., 17 Bishop's Court, London, E.C.4, sole distributors in Great Britain for Kodeno tablets, remind chemists that the company's bonus offer for this product closes on June 30. National and local advertising is in progress.

**Penicillin Lozenges.**—Imperial Chemicals (Pharmaceuticals), Ltd., are issuing, through usual trade suppliers, Avlon brand penicillin lozenges, B.P., each containing 500 international units of penicillin calcium salt. The lozenges are issued in airtight containers of twenty-five.

**Catalogue of Medical Books.**—E. & S. Livingstone, 16 Teviot Place, Edinburgh, 1, have issued a seventy-two page catalogue of medical, surgical, nursing, dental and

scientific books, and undertake to send a copy post free to any chemist who may be interested.

**Aluminium Hydroxide.**—The Stomalumine Laboratories, Ltd., 28 Rue la Boëtie, Paris, 8e, France, offer aluminium hydroxide, prepared by their Stomalumine process, as an odourless, tasteless, amorphous powder of pure white colour, suitable for incorporation in antacid powders and tablets.

**Metal Compact.**—Under the name Diana, the Saltman Engineering Co., Ltd., London, have introduced a metal compact with inner lid and sifter and carrying design in gilt on a black, "unchippable" background. Distribution is through recognised wholesalers. The company's London and provincial representatives are named in an announcement elsewhere in this issue.

**Technical Booklets.**—A series of booklets dealing with the use of Crill surface active agents in emulsified ointment bases, perfumes and essential-oil solubilisation, feeding tests and skin-application studies, and with the Crill series 17-23 water-soluble and dispersible ester-ether waxes, has been issued by Croda, Ltd., Croda House, Snaith, Goole, Yorks.

**Allocation Scheme.**—Vitamins, Ltd., 2 Upper Mall, Hammersmith, London, W.6, announce that, as supplies have to some extent improved recently, they have been able to revert to their cash-with-order ratio scheme for Bemax, with normal invoicing. Chemists are asked to forward their Bemax ration cards (but not cards bearing a cancellation stamp) to ensure a place in the allocation scheme.

**Protected Mark.**—Ciba Laboratories Ltd., Horsham, Sussex, point out that Vicform is the registered trade mark of Ciba Ltd., Basle, Switzerland, and that in the United Kingdom they are the registered users of the trade mark, which is applied to 5-chloro-7-iodo-8-hydroxyquinoline. Vicform is not included in the U.S. National Formulary (eighth edition) which contains however, a monograph on iodochloro hydroxyquinoline.

**All-British Electric Shaver.**—Guy Morrison & Co., Ltd., 6 Chandos House, Buckingham Gate, London, S.W.1, are the sole distributors of a new electric dry shaver which is manufactured in Britain and marketed under the name Buk. The instrument has five cutting blades operating

simultaneously, is fitted with a self-starting motor, switch, and built-in voltage adjustor; it works on alternating current at voltages of 180 to 250.

**Prices of Cereal Foods.**—Under a Cereal Breakfast Foods (Control and Maximum Prices) Order, 1947 (S.R. & O., 1947, No. 1090), dated June 3, the Minister of Food has introduced a new scale of prices for cereal breakfast foods including Allenbury's cereal (Allen & Hanburys, Ltd.), Bismal (Energen Foods, Ltd.) and other cereals of the "health food" type. The new prices are tabulated in the order, copies of which may be obtained from H.M. Stationery Office, price twopence each.

**New Lipstick Shade.**—A new blue-rose shade of lipstick has been introduced by J. Grossmith & Son, Ltd., 45 Piccadilly, London, W.1. Sales of the new lipstick at the company's salon in Piccadilly, London, are understood to have been exceptional, and distribution is now being effected to over 10,000 pharmacists, perfumers and stores throughout the country. The case in which the lipstick is presented, also new, is described as "pink-gold" in colour. Lipsticks in seven other attractive colours are issued by the company.

**Foundation Base.**—Polak & Schwartz (England), Ltd., 50 Great Cambridge Road, Enfield, Middlesex, have introduced Mat-texture, a foundation base for the production of creams. The preparation is claimed to have the advantage that it may be used without another emulsifying agent, and that a finished cream is obtained with ease, and of a uniform excellence of consistency. A number of formulas of toilet preparations, making use of the base, are available to purchasers applying to the cosmetic research laboratories of the company.

**Pharmacists' Help Sought.**—Pharmacists throughout England and Wales are being asked by the Minister of Health (Mr. Aneurin Bevan) to assist in the Ministry's campaign against venereal disease by displaying posters which have been prepared by the Ministry in sizes (30 x 20 in. and 15 x 10 in.) suitable for showing in shops. Samples of the posters are being sent to branch secretaries of the National Pharmaceutical Union, and pharmacists willing to display the posters are asked to write to the Public Relations Division of the Ministry, Whitehall, London, S.W.1, stating the size and number of copies required. The posters will then be sent free of charge.

## Proprietary Articles Trade Association

**Additions to Protected List.**—*Aero-Ped, Ltd.* (Agents: S. Maw, Son & Sons, Ltd.), Aero-Ped foot powder and ointment, 16s. doz., tax 2s. 8d. doz., inclusive retail price 2s. 3d. Display terms: Two doz. less 2½ per cent., three doz. less 5 per cent., four doz. less 7½ per cent., six doz. less 10 per cent.

*J. L. Bragg, Ltd.*, Bragg's charcoal lozenges, new size containing forty, 12s. doz., tax 2s. doz., i.r.p. 1s. 5d.; former small size (i.r.p. 1s. 9½d.) withdrawn.

*Matthews & Wilson, Ltd.*—Oxydol ointment, 10s. doz., tax 1s. 8d. doz., i.r.p. 1s. 5d.; 16s. doz., tax 2s. 8d. doz., i.r.p. 2s. 3d.

**Alterations.**—*Boujous, Ltd.*, Evening in Paris face powder, No. 6330, 12s. 3d. doz., tax 12s. 3d. doz., i.r.p. 2s. 6d.; Lipstick, No. 9059, 31s. 9d. doz., tax 31s. 9d. doz., i.r.p. 6s. 6d.

*Jevey's Sanitary Compounds Co., Ltd.*, Jevey's fluid, 5-oz., is. 3d., 11s. 5d. doz.; 10-oz., is. 11d., 17s. 6d. doz. (exempt from tax).

*Monsol, Ltd.*, Revised prices, June 23: Monsol pastilles, 11s. doz., tax is. 10d. doz., i.r.p. is. 6d.

*Vermex Chemical Co., Ltd.*, Zodas head and nerve tablets, 9s. doz., tax is. 6d., i.r.p. is. 3d.; Quinamon tablets, 11s. doz., tax is. 10d. doz., i.r.p. is. 6d.; Lipalene, 9s. doz., tax is. 6d. doz., i.r.p. is. 3d.; Soltan sunburn cream, 11s. doz., tax 3s. 8d. doz., i.r.p. is. 9d.; 14s. doz., tax 4s. 8d. doz., i.r.p. 2s. 3d.; Rapalax laxative tablets, 5s. 6d. doz., tax 11d. doz., i.r.p. 9d. Display terms: In return for window or counter display of Zodas, Quinamon, Lipalene and Rapalax, orders for three doz. of any one product, or combined order of one doz. each of three products, invoiced at following prices: Zodas, 8s. doz.; Quinamon, 10s. 6d. doz.; Lipalene, 8s. doz.; Rapalax, 5s. doz.; Soltan, 10s. 4d. and 13s. 4d. doz.

## BUSINESS CHANGES

**PRICHARD & CONSTANCE (MANUFACTURING), LTD.**, have removed to North Circular Road, West Twyford, London, N.W.10.

**HARMAN DIETETIC LABORATORIES, LTD.**, have removed to Cavendish Works, North Parade, Burnt Oak Broadway, Edgware, Middlesex.

**J. C. ENO, LTD.**, WATFORD, have appointed Mr. Ian W. Howie, Loirston, Abbotshall Place, Cults, Aberdeen, to represent the company's medical department in Scotland.

**H. HIRJI & CO.**, drug importers and exporters, have removed to 39 Botolph Lane, Eastcheap, London, E.C.3. The telephone number (Mansion House 6951) is unchanged.

**MR. G. G. MCINTYRE, M.P.S. (S.A.)**, has been appointed managing director of Allen & Hanburys (Africa), Ltd., in succession to Mr. T. R. Walton, M.P.S., who retired on May 31 after thirty-five years' service with the company.

**ILFORD, LTD.**, have reorganised their dealer and professional departments to form one section, with Mr. C. Morris as manager, to cover the whole of the United Kingdom. Mr. L. Beadle is assistant manager. Mr. A. F. Braithwaite, M.B.E., has been appointed the company's representative for the Southern Midland counties, to succeed Mr. A. J. Brooke, who recently retired.

## PHARMACEUTICAL SOCIETY OF IRELAND

THE June meeting of the Council of the Pharmaceutical Society of Ireland was held on June 10, Mr. J. K. Whelehan (president) in the chair. Also present were Messrs. P. A. Brady, J. Gleeson, F. X. Meagher, G. C. O'Neill, T. C. Scott, P. Brooke-Kelly, T. B. O'Sullivan, F. Loughman, T.D., M. Power, P. C. Cahill, R. Daly, H. P. Corrigan, P. F. McGrath, J. A. O'Rourke, M. Costello, N. A. P. McKane, P. Fullam, and J. P. Kissane. Apologies for absence were received from Messrs. J. D. Blair and C. J. Cremen.

A letter was read from Mr. David Murphy (secretary, Benevolent Fund Dance Committee) dealing with appeals made for the fund. After discussion it was decided that the president, with the other officers, should meet the Dance Committee to discuss the matters raised in the letter.

The report of the House Committee, which was adopted, recommended that the treasurer should invest £1,300 in Dublin Corporation Stock. It was further recommended that the annual subscription of members should be increased to £2 2s. and that a notice of motion to implement the recommendation should be brought forward at the July meeting of the Council. A grant of £5 towards the expenses of the Students' Representative Council was also recommended by the House Committee.

### Lecturer in Botany and Materia Medica

The Schools Committee report, which was adopted, stated that Mr. A. F. Collins had tendered his resignation as lecturer in botany and materia medica on his appointment as examiner to the final examination. Mr. MEAGHER said it would be difficult to find a lecturer who could teach both botany and materia medica. As a lecturer in zoology would eventually be required, he suggested the appointment as lecturer in botany of a person qualified also to lecture in zoology. THE PRESIDENT said that Mr. Collins had himself suggested that there should be separate lecturers for botany and materia medica. Mr. FULLAM thought it essential to divide the subjects at once; it would be impossible to find a person capable of lecturing in botany, materia medica and zoology. Mr. COSTELLO pointed out that in the past there had been separate lecturers; Mr. Collins had been the first to be appointed to lecture in both botany and materia medica. Mr. DALY said he had received a cutting from Mr. Riordan (secretary, Cork Chemists' Association) stating that chemists were qualified in most of those subjects today through the universi-

ties. The cutting had been sent in case it had any bearing on Irish pharmacy. MR BROOKE-KELLY said he was delighted to find that the Council were thinking of dividing the subjects, and thus restoring botany to its "pristine glory." He also favoured putting zoology in the syllabus. It was agreed to advertise for separate lecturers for botany and materia medica.

The Law Committee's report, which was adopted, contained a reference to a complaint from Dr. Ashe about a proprietar preparation. The registrar had referred Dr. Ashe to the registrar of the Royal College of Physicians of Ireland, with whom the matter had been raised by the Society's Council.

### Changes in Register

The following changes of address were notified: Miss M. McSweeney, M.P.S.I., to 46 Oliver Plunkett Street, Cork; Mr. M. F. Walshe, M.P.S.I., to 1 Upper Mount Street, Dublin; Mr. R. L. Hanna, L.P.S.I., to Portarlington; Miss C. M. McLoughlin, L.P.S.I., to 17 O'Connell Street, Athlone; Mr. J. W. Whelan, L.P.S.I., to 28 South Main Street, Wexford; Mr. James Keating, R.D., to 3 Derrynane Parade, North Circular Road, Dublin.

MR. J. J. KERR (registrar) reported that fifty-seven candidates had entered for the pre-registration examination; eighteen of the candidates had asked to be examined in Cork.

THE REGISTRAR reported on the deaths of Messrs. G. P. Davis, M.P.S.I., and P. McDowell, R.D., and of Dr. H. Hunt, L.P.S.I.

### Appointment of New Registrar

The Council then proceeded to the appointment of a new registrar. From the names submitted by the selection committee the Council appointed Mr. J. G. Coleman to be the Society's registrar as from September 1, 1947. On the suggestion of Mr. COSTELLO, it was agreed that a special meeting of the House Committee should arrange the terms of the new registrar appointment and make arrangements for superannuation.

The licence certificates of the following were signed and sealed: Frederica M. O'Regan, Francis J. O'Brien, Robert J. Semple, Muriel St. John, Mary A. A. Lynch, Ellie C. Prendergast, Richard J. Power, Annie T. Scully, Edward Meaney, Bernard J. Anderson, Alphonsus J. Dolan and Martin P. McCooey. The Misses T. F. Ellis and M. McSweeney, and Mr. M. Byrn

were elected members of the Society. Miss Yates, Rathmines, Dublin, and Mr. P. J. McLaughlin, Bandon, co. Cork, were nominated for membership.

### Public Health Bill

At question time Mr. McKane asked about the work of the committee which had been appointed to meet Dr. Ryan, the Minister of Health, to discuss the Public Health Bill. It was, he said, remarkable and regrettable that the Minister should have seen fit to refuse to meet a deputation from the Society to discuss a measure which carried such dangerous implications for the future of the profession. Dr. Ryan had said that the time to discuss this Bill was when it became law. In effect this meant that the measure was a form of dictation; the Society could take it or leave it. Mr. McKane said he had been assured by more optimistic colleagues that it was the intention of the Minister to interpret the measure generously and that he had no intention of victimising pharmacy. Mr. McKane hoped the optimism was justified and that the Society would have no reason in the next two or three years to regret its passivity. The future could be predicted only on past experience, and to judge by the Minister's recent treatment of the Society, it looked very bleak indeed. Could it be that the Society had been too timid in its relations with the Minister, and that a more vigorous expression of disapproval would have paid better dividends? Even now protests should be made not only through the pharmaceutical Press, but through the daily press.

Mr. LOUGHMAN said he had telephoned the Minister, who had said that the time for discussions would be when regulations under the Bill were being drafted. Mr. Loughman was not aware that the Council had expressed disapproval of any particular clause or section in the Bill, or that they had suggested any particular amendment. At the previous meeting of the Council he had undertaken to give his own name if certain reasonable amendments were suggested, and arrange for them to be discussed in the Dail. Mr. McKane should remember the measure was practically the same as the original Public Health Bill. The Council had discussed the earlier Bill with its sponsor and had not been completely dissatisfied. There need be no fears that either the Society or its individual members would suffer. Mr. Loughman admitted he had not studied the measure as closely as Mr. McKane, and he suggested that a depu-

tation should make a formal request through the registrar for an interview with the Minister. The Bill had received only a second reading, and amendments might be submitted, even when the Bill went to the Senate.

THE PRESIDENT said that copious notes of the Society's case, taken by Dr. Ward's secretary at a previous interview, should be available to Dr. Ryan. MR. MCKANE said he regarded with some suspicion a Minister who made orders under regulations. The practice undermined the whole foundation of democracy. The present Bill, so far as he could see, gave unlimited powers, and it was not realised that such a measure was going to place difficulties in the way of every pharmacy. A label would have to be put on every proprietary medicine specifying its contents. Since the label would presumably be in Latin and unintelligible to the public, the only person to benefit would be a competitor. To prevent the sale of a few fraudulent preparations, the Minister was going to cause great inconvenience to the great majority which were genuine.

### Deputation Appointed

MR. CAHILL said he understood that the omnibus powers contained in the present Public Health Bill were similar to those in other Bills. The Minister's predecessor had undertaken to consult the Society before any regulations were made. MR. GLEESON said that when the committee had last discussed the Bill, Mr. Loughman had indicated that he was prepared to propose an amendment; he was sure Mr. Loughman was still prepared to do so. MR. LOUGHMAN agreed provided that he was supplied with the text of the amendment. MR. MEAGHER said the Society would like to obtain some undertaking that there would be consultation with interests concerned in the patent medicine trade. MR. CAHILL thought consultations should cover all matters affecting pharmacy. MR. MCKANE pointed out that the Bill as it stood affected even toilet preparations. To recommend a bottle of medicine for a cough might be regarded as an advertisement and liable to a fine of £500. On the motion of THE PRESIDENT, seconded by MR. GLEESON, it was agreed to ask the Minister of Health to receive a deputation to discuss Sections 60 and 61, and Part 10 of the Bill. It was decided that the officers with Messrs. McKane and Loughman should form the deputation to the Minister.

A meeting of the Benevolent Fund Committee was held after the Council meeting.

## THE JOINT COMMITTEE AND THE N.P.U.— MR. WILSON SPEAKS OUT

THE speaker at a meeting of the Cheltenham Branch of the Pharmaceutical Society on June 12 was Mr. F. C. WILSON (a member of the Society's Council, a member of the Joint Committee on a National Pharmaceutical Service, and secretary, Surrey Pharmaceutical Committee).

Mr. Wilson first refreshed the memories of his hearers on the events that had led up to the 1911 Act, pointing out that the Act was the first piece of positive health legislation in this country. "It would be true to say," he suggested, "that prior to the introduction of the 1911 Act, few chemists ever saw a prescription in their premises." The fact that National Health Insurance dispensing ever came into the pharmacy was due, declared Mr. Wilson, solely to the tremendous efforts made in 1911, politically and personally, by the Society's Council and permanent officials of that day.

### "Satisfactory Legislation"

Turning to the National Health Service Act of 1946, the speaker said it was possibly the most satisfactory piece of legislation on the Statute Book so far as the pharmacist was concerned because, for the first time, diagnosis and dispensing were permanently separated for the vast majority of the population. The very fact that this separation had been obtained was due, in his opinion, partly to the thirty years' record of service and partly to the fact that the negotiations on behalf of pharmacy had been carried out by a joint committee representative of the whole professional side of the calling. He disclosed that there had been disagreement between the National Pharmaceutical Union on one hand and the remainder of the Joint Committee on the other over pharmaceutical departments in health centres. Subsequent to the passing of the Act, the N.P.U. desired to approach the Minister with a suggestion that there should be no such departments. At the conference of Pharmaceutical Committees on May 28, Mr. Mallinson (N.P.U. secretary) had stated that previous conferences had bound pharmaceutical organisations to the utmost opposition to health centres—referring, he thought, to a resolution passed at the conference of October 25, 1944, as follows:—

"That the Health Service should be based upon all dispensing being done through pharmacies except for in-patients

of hospitals and that all drugs, etc supplied to in-patients should be dispensed by pharmacists."

Conferences in 1944, prior to the publication of the Bill, and in 1947, subsequent to its passage through Parliament, were very different things. The Act stated categorically that it should be the duty of local authorities to provide a pharmaceutical service in health centres, and the move suggested by the National Pharmaceutical Union appeared to some members of the Joint Committee to be unsound. However, in an attempt to meet the difficulties of the National Pharmaceutical Union, it was agreed that any approach by the N.P.U. to the Ministry on the point should have the moral support of the Joint Committee. He, personally, would say that the progress of health centre building might not be rapid as had been thought likely even twelve or eighteen months earlier, but even assuming that they spread rapidly, the effect of the new Act would be at least to double and possibly even to treble the amount of dispensing done by proprietor pharmacists at the present time. The dispensing department was not dependent upon the buying power of the public, particularly if occupied essentially with work paid for by the State. In industrial areas it had proved the rule that, as one's output fell, one's panel work increased proportionately. In the future, almost all dispensing would be panel dispensing, and the purchasing power of clients would no longer be a limiting factor on turnover in the dispensing department.

The speaker said he could anticipate the obvious remark that everything depended on what chemists were going to be paid for their services. In this he would be first to agree. He had the permission of the chairman of the Joint Committee to disclose events leading up to possibly the most momentous, certainly the most tragic decision taken in connection with pharmaceutical service under the National Health Service Act. On March 27 the National Pharmaceutical Union demanded that the work of the Negotiating Committee in regard to remuneration of contractors should be delegated to the N.H.S. Contracting Committee. A communication received from the Ministry of Health revealed the intention of the Minister to invite the Joint Committee to appoint a subcommittee

discuss remuneration with the Ministry. At a further meeting on May 20, a resolution was passed unanimously, every member of the Joint Committee, including representatives of the N.P.U., raising his hand in favour of it, that an invitation should be sent to the Executive of the N.P.U., Company Chemists' Association and Co-operative Congress Parliamentary Committee to consider a proposition that the Central N.H.I. Committee, with power to co-opt, should undertake the responsibility of negotiating the terms of remuneration of the contract in the new Health Service, that the Committee should be known as the Joint Contractors' Committee and it should become a subcommittee of the full Joint Committee. He did not complain that the N.P.U. Executive had declined to accept the invitation. They had every right to do so if they so desired, but he submitted that those who had voted unanimously in the

Joint Committee were in honour bound to support the same course within their own organisation.

If the approach to the Minister on the question of fees was to be on the basis of traders bargaining for their goods, poor results would accrue, he declared, for this was the wrong approach. It was necessary, in his opinion, to establish the worth of the pharmacist's time, the value to the community of his very presence, and of the availability of his premises and his stock. Only when the valuation of all these had been assessed, and not before, could one arrive at the fee to be paid for dispensing a bottle of medicine. They must remember that their National Health Service work would no longer be a contract supplementary to and subsidised by other commercial activities. It must be looked upon as the mainstay of the pharmacist as a professional man.

## HUDDERSFIELD DISCUSSION ON EDUCATION

**HUDDERSFIELD** Branch of the Pharmaceutical Society at its June meeting debated motion, proposed by MR. F. NORTH, that this branch approves the education policy of the Pharmaceutical Society."

From the point of view of pure pharmacy, divorced from commercialism, said Mr. North, education was intended primarily to teach proficiency in dispensing; only the best was good enough. No one would object to the adoption of the London Matriculation standard for the entrance examination since it was in line with a degree standard. The present intermediate examination would be retained with the addition of mathematics, now an important subject in pharmacy. The present one-year course, continued the speaker, was quite inadequate and resulted in a hopeless "cram." But for the war a two-year final course would no doubt have been introduced earlier. The volume and variety of dispensing would increase as a result of the National Health Service. If the retail chemist did not tackle it, the health centres would. Consequently the Society's education standard should be high enough to cover the maximum requirements, not, as some people had suggested, the minimum.

MR. C. THOMPSON, opposing the motion, said that, in considering any education policy, it must be remembered that 90 per cent. of pharmacists were engaged in retail practice. He was not opposed to the new standard of the entrance examination but

thought there was much to be said for the old system of apprenticeship as compared with the new one. Under the old system there was usually a probationary period during which a student had an opportunity to withdraw if he found himself unsuited to pharmacy. By the time a student reached his apprenticeship under the new scheme he was already committed. The proposed extension of the final course to three years was quite unnecessary and would reduce the number of entrants to retail practice. Although the cost of the prolonged education would be borne by the State, there were to be considered other costs which might cause some students financial hardship. It was not logical, thought Mr. Thompson, to say that a higher standard of dispensing would be called for immediately the N.H.S. started. Members of the public, who had been well served in the past, would still prefer their medicine dispensed by the retail pharmacist whom they knew, rather than have it handed to them through a pigeon-hole by a highly trained but impersonal scientist.

MR. J. F. ROWLANDS thought that the syllabus should be revised with obsolete matter cut out rather than lengthened. As 90 per cent. of pharmacists were in retail practice, suggested MR. G. GREENWOOD, the Society's education policy should be designed to suit the retailer.

On being put to the vote, the motion was lost, with seven votes for and nine against the proposal.

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GLOUCESTER Friendly Societies Medical Association, Longsmith Street, Gloucester. Applications are invited for the post of pharmacist-in-charge at the Association's dispensary. Salary £450 p.a. Full details of experience and copies of testimonials should be sent to the Secretary immediately.

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covered, and other lines carried. £50 to £100  
monthly is being earned by representatives from  
two non-competitive quick-selling established  
lines alone. Other lines not objected to. An ex-  
cellent opportunity for good salesmen calling regu-  
larly upon most chemists in their area. Generous  
commission on sales and repeats. Apply, 1/196,  
& D. Office.

GENTS wanted in all districts for advertised  
proprietary. Liberal commission. State ter-  
ritory covered. Age and experience in first instance  
1/167, C. & D. Office.

PLICATIONS are invited from young phar-  
macist for drug dispatch department of Mid-  
land manufacturing chemists. Accommodation will  
be made available for the successful applicant. Ap-  
plications to be made in the first instance giving age,  
tained experience and salary required. 1/166,  
& D. Office.

SSISTANT works chemist wanted in old-established manufacturers of toilet preparations. Ex-  
perience of emulsification, essential oils and syn-  
thetics. Compound blending and general works  
practice. Not less than Inter. B.Sc., Standard or  
equivalent. Good conditions. Five-day week. Write,  
giving full details, to 1/200, C. & D. Office.

SSISTANT chemist required for production  
control and research on pharmaceuticals. Ap-  
plicants should hold the B.Pharm. or equivalent  
qualifications. Previous experience in the assay of  
amin products by physical methods an advantage.  
Applications, giving details of qualifications and  
previous experience, etc., to the General Manager,  
Celanin Products, Ltd., Trading Estate, Slough,  
Bucks.

SSISTANT works chemist required for the manu-  
facture of fine chemical products. Must have  
Inter.B.Sc. or B.Sc. degree and some experience in  
organic synthesis. Interesting and progressive post  
for young man, with technical ability. Apply,  
giving full particulars of age, qualification, and ex-  
perience, to 1/191, C. & D. Office.

SSISTANT required for routine analysis of phar-  
aceuticals in the analytical laboratory of C. R.  
Märker, Stagg & Morgan, Ltd., Emmott Street,  
London, E.1. Apply stating experience and wages  
required.

BRITISH SCHERING LTD. require the services  
of a pharmacist (aged 25-35), preferably male,  
experienced in the routine of a medical information  
department. Applications, giving full details of education,  
business career, and stating salary expected,  
in complete confidence, to Medical Executive, British  
Schering, Ltd., 167/169 Great Portland Street, W.1.

APABLE shorthand-typist with experience of  
export routine required by firm of manufacturing  
chemists in S.W. London. Knowledge of lan-  
guages an advantage, but not essential. Apply, giving  
full details, to 1/192, C. & D. Office.

CHEMIST required for research and transfer of  
laboratory results to large-scale production and  
to act as liaison between laboratory and management.  
Hons. B.Sc. or equivalent qualification and  
experience in pharmaceutical products. Applicants  
should have sound knowledge of physical chemistry  
and of the newer colloidal and emulsifying agents.  
Position is progressive and pensionable. Please give  
in first letter fullest particulars of age, qualifications  
and experience. 1/194, C. & D. Office.

CHEMICAL mixer and processor wanted for cos-  
metic manufacturers. Old established house.  
Good salary. 1/47, C. & D. Office.

DRUGS. Counter hand (male) wanted for wet  
counter. Permanent. Union rate of pay.  
5-day week. Southall Bros. and Barclay, Alum  
Rock, Birmingham.

EVANS MEDICAL SUPPLIES, LTD., require an  
assistant analyst of Ph.C. or A.R.I.C. standard.  
Salary according to qualifications and experience.  
Apply to Production Director, Evans Medical Sup-  
plies, Ltd., Speke, Liverpool, 19.

EXPERIENCED representative required  
for East Scotland by distributors of  
nationally advertised and well-known leading  
proprietary articles; medicinal and  
toilet. Residence in the Dundee or Edin-  
burgh district preferred. There is a large  
established business and prospects are good.  
Application for the position, along with  
the useful full particulars, should be  
addressed to 1/142, C. & D. Office.

EXPERIENCED representative required for well-  
known nationally advertised proprietary lines  
having first-class connections with chemists, depart-  
mental stores, co-operative societies, drug depart-  
ments and wholesalers, in Lancs, Cheshire, Cum-  
berland, Westmorland, North Wales. For sole re-  
presentation; salary, expenses and commission basis.  
Car essential, and domiciled in Manchester or  
Lancs. Applicants must state past experience in  
full, age and when free to commence. Apply,  
Sales Manager, 1/174, C. & D. Office.

EXPERIENCED representative required  
to cover area comprising Yorkshire and  
four Northern counties. Knowledge of and  
residence on territory essential; preferably  
Leeds area. Excellent prospects. Appli-  
cations, which in first place must be made  
in writing, should include the usual full par-  
ticulars and should be addressed to J. C.  
Gambles & Co., Ltd., 209/215 Blackfriars  
Road, London, S.E.1.

FACTORY manager required by manufacturers,  
chemists' sundries, Midlands. Substantial salary  
plus bonus for man 30-40 of proved managerial  
ability. Knowledge rubber desirable, but not essential.  
Full details in confidence. 1/61, C. & D.  
Office.

FIRM'S own traveller wanted to cover Northern  
England chemists and stores with toilet and  
cosmetic preparations. Own car. Wage and good  
commission given to suitable man. Must devote  
entire time exclusively to our firm. Reply, stating  
previous experience, copy references, etc., United  
Chemists Supplies, 110 Donegall Street, Belfast.

GENERAL manager, manufacturers chemists' sun-  
dries, requires personal assistant, male, 25-30.  
Interesting progressive post for young man, pre-  
ferably having previous manufacturing and com-  
mercial experience, who aspires to eventual senior  
executive position. Write, giving full details in  
confidence. 1/16, C. & D. Office.

LABORATORY assistant required by manufac-  
turing chemists. Previous experience not essential.  
Matriculation an advantage. Write, Matthews &  
Wilson, Ltd., 6 & 8 Cole Street, London, S.E.1.

LABORATORY worker required, used to tinctures  
and galenicals in general, 5-day week, Union  
rate of pay. Southall Bros., and Barclay (1935),  
Ltd., Alum Rock, Birmingham.

**L**ONDON manufacturing chemists require experienced representative for London, South of Thames, with well-established connection among retail and wholesale chemists, to carry additional new well-packed and advertised ethical speciality on commission. When applying please state other lines carried. 1/187, C. & D. Office.

**M**ALE clerk required (aged 25-35) by London manufacturing chemists. Opportunity for training in buying department. Full details in first letter, experience, salary required and if able to typewrite. 1/48, C. & D. Office.

**M**ALE assistant required for order assembly, some packing and stock control in the Glasgow depot of firm of manufacturers of ethical specialities. Would suit unqualified man with retail experience. Permanent position for suitable applicant, age under 40. Interview Glasgow. Write, stating experience and salary required. 1/98, C. & D. Office.

**M**ANAGER required to organise new medical department of well-known firm of pharmaceutical manufacturers in North-West London. (1) The salary attaching to the position would be fixed in relation to the qualifications of the successful candidate. (2) Candidates must have had previous experience of distribution of medical products to the medical profession and hospitals. (3) Applicants (by letter only) must give particulars of age, education, qualifications (including any medical qualifications), experience and expected salary. All applications will be treated in strict confidence. 1/153, C. & D. Office.

**M**ANUFACTURING chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write, giving details of age, experience and salary required. 1/132, C. & D. Office.

**M**ANUFACTURING chemists require full time representatives for the following districts. Scotland, Midlands and South Wales. Full particulars to 1/171, C. & D. Office.

**M**ANUFACTURING chemists require first-class representatives in (a) Manchester district; (b) Midlands. Essential qualifications, first-class live energetic man capable of large turnover, with established connection, chemists, hairdressers, grocers, ironmongers, etc. Own car essential, salary, car allowance, expenses and commission. Send full details, experience, age, etc., with first letter. Write, 1/70, C. & D. Office.

**M**ANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

**O**LD established firm, wholesalers, with modern premises in Birmingham have vacancy for chemist able to suggest and initiate packaging and manufacturing lines. Remuneration by salary plus bonus on results. 1/161, C. & D. Office.

**O**LD-ESTABLISHED London firm wholesale chemists' sundriesmen require representatives having live connections chemists, hairdressers, drugists, stores, Co-ops; commission basis. Car advantage but not essential. Write, stating area of representation, details, etc. James Hardcastle & Co., 20 High Holborn, W.C.1.

**P**HARMACEUTICAL chemist required for Midlands. Capable of producing own lines. Must have buying contacts and full knowledge of pharmacy art. Give details of salary required, past experience, etc. 1/53, C. & D. Office.

**P**UBLICITY. Pharmacist (male) required as personal assistant to publicity manager. This is an outstanding opportunity for a young man wishing to enter upon a permanent career in commercial publicity. The position has excellent prospects for the right man. Apply initially in writing, quoting Ref. No. 384, to Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

**R**EPRESENTATIVE required for Birmingham area to call on chemists. Surgical dressings, sundries and sanitary towels. Salary, commis and expenses. 1/169, C. & D. Office.

**R**EPRESENTATIVES required by leading safety razor company to cover (a) Tyneside and North, (b) Home Counties, (c) London area. Applications should give full details of past experience if car owner. Preference given to energetic executives of good appearance and outstanding personality. Good salary and expenses. Interview London. Apply Sales Manager, 1/173, C. & D. Office.

**R**EPRESENTATIVES (three) required. (1) North-east territory, (2) Midlands, (3) W and Gloucester. Calling on chemists, department stores and wholesalers. Excellent lines, one national advertisement. Good commission terms. 1/ C. & D. Office.

**R**EPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, druggists and chemists for sound repeating household products. Only salesmen accustomed to large turnover apply. Reply to Slip, 95 Victoria Street, St. Albans.

**S**ALES manager (assistant). Young man required for London office of proprietary firm (medical and toilet), ample scope for advancement, interesting work, five-day week. Salary according to experience. Apply with usual particulars, 1/138, C. & D. Office.

**T**ABLET maker, fully conversant with rotary single punch machines. A progressive position with ample scope for man with initiative. 1/ C. & D. Office.

**T**HE BRITISH DRUG HOUSES, LTD., have vacancies for young pharmacists (male):—Assistant to deal with correspondence of a technical nature; ability to write good English essential; Assistant in galenical laboratory; (c) Assistant tabletting department. Commencing salary according to age and experience, with superannuation good prospects. Graham Street, City Road, N.1.

**T**HE manufacturers of Lather, the luxury wash preparation, have a few permanent positions for representatives, either full time or who are already calling on chemists in Southern England and Midlands. Only steady and hard workers who are able to earn at the rate of £600 to £1,000 annum are required. (Orders are delivered by works in one to two weeks). Write to address below giving experience if any, territory covered, etc., best day for interview in London. 1/156, C. & D. Office.

**T**HE British Drug Houses, Ltd., require a pharmacist and/or chemist to act as assistant stores manager. Age 27-35. Please reply, stating qualifications and experience to Personnel Manager, Graham Street, N.1.

**T**RAVELLERS required on commission basis to call on manufacturing chemists and toilet manufacturers to sell imported medicinal and toilet bottles. Please apply with full details. 1/158, C. & D. Office.

**T**RAVELLERS required on commission basis to call on chemists and hairdressers to sell imported medicinal and toilet bottles. Please reply with full details. 1/157, C. & D. Office.

**U**NQUALIFIED chemist (lady) required to supervise manufacture and packaging of medical preparations. King's Cross district. Write, giving particulars of age, experience, training and salary required. 1/57, C. & D. Office.

**WALES.** Representative required calling on chemists and hairdressers to carry samples of fume compounds as a side line. Good commission. Only those with first-class connections would be considered. Apply 1/58, C. & D. Office.

**NOTTINGHAMSHIRE,** live representative, resident Nottinghamshire, Leicestershire or Derbyshire, for lands wholesale chemists' sundries house. Only energetic man well-known to chemists entered. Sound, open connection. Car owner preferred. Salary, commission, expenses. Good living prospects for the right man. Reply in confidence, stating age, experience and usual details, to 29, C. & D. Office.

**WHOLESALEERS** want live representatives with established connections to call on hairdressers, chemists and stores. Write or phone, Turnmill rehouse, 67 Mile End Road, E.1. Stepney Green 54/5.

### WHOLESALE (OVERSEAS)

**PLANT** chemists urgently required for process plant operations by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to the B.Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in ring between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, 2/461, C. & D. Office.

**CHEMISTS** urgently required by large company operating in the Middle East. Will be employed either on development or process work and would be prepared initially to undertake shift work in process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience, to Dept. F.18, 162/462, C. & D. Office.

### SITUATIONS WANTED

6 for 18 words or less, 1d. for every additional word

#### RETAIL (HOME)

**EXPERIENCED** lady dispenser (Hall) requires a post hospital or chemist, within easy reach of Bedford, Essex. Excellent testimonials, present nine years. State salary offered. 1/141, C. & D. Office.

### WHOLESALE

**ADDITIONAL** lines required by representative with excellent connections amongst chemists, hairdressers, stores, in South and West Wales, Gloucestershire, Herefordshire. Car owner. Full particulars first instance, please.—1/183, C. & D. Office.

**WORKS** manager, young, energetic, 7 years' experience in chemical and cosmetic manufacture, seeks post. 1/127, C. & D. Office.

**DABY'S** hairbrushes representative wishes to contact manufacturers with view to arranging commission basis or arrangement. 1/190, C. & D. Office.

**COSMETIC** chemist, long experience manufacturing first-class preparations on modern formulas. Also new lines (no quota) wants situation. 1/96, C. & D. Office.

**EXPERIENCED** representative (35), first class sales record, own car, resident Malvern area, seeks post with progressive manufacturing house for Worcs, Glos, Hereford, Wales. Write 1/179, C. & D. Office.

**QUALIFIED** sales manager, first-class experience, successful record and wide contacts, seeks responsible post with good prospects. 1/110, C. & D. Office.

**REPRESENTATIVE**, 15 years' experience, with strong connection chemists, hairdressers, departments, Co-ops., etc., in Northumberland, Durham, Cumberland and Westmorland, seeks position with reputable firm desiring representation that area. 1/146, C. & D. Office.

**REPRESENTATIVE** covering the whole of the county of Yorkshire, excellent connection wholesalers grocers and multiple stores, would be pleased to consider suitable lines for the above. Manufacturers only preferred. Own car. Terms, part expenses and commission. 1/151 C. & D. Office.

**REPRESENTATIVE**, covering Northern Ireland, own car, young, energetic, wishes to contact reputable firm on salary, commission and expenses basis. 1/163, C. & D. Office.

**REPRESENTATIVE**, own car, very strong connection in South Wales, South West England, with chemists, multiple stores, co-operative societies, etc., wishes to contact good class firm on salary, commission and expenses basis. 175/919, C. & D. Office.

**SALES** representative, disengaged, sound connection with wholesale and retail chemists, stores and Co-operative societies, etc., in a radius of sixty miles around Manchester, desires post with house of repute on salary, commission and expenses. Previous employer twenty years. 1/162, C. & D. Office.

**UNQUALIFIED** (45), 20 years' experience general office, wages, storekeeping, etc. London area. 1/150, C. & D. Office.

### APPOINTMENTS

#### CHEDDLETON MENTAL HOSPITAL Nr. LEEK, STAFFS

**DISPENSER** required with Apothecaries' Hall Certificate; resident or non-resident. Salary in accordance with Recommendations of Joint Negotiating Committee (Hospital Staffs). Appointment subject to provisions of Asylums Officers' Superannuation Act. Applications to the Medical Superintendent.

#### HILL END HOSPITAL, ST. ALBANS

**ASSISTANT PHARMACISTS** required. Salary in accordance with the Joint Negotiating Committee's Report (Hospital Staffs). (£370 p.a. rising by £15 to £450 p.a. inclusive of cost of living bonus). Apply stating age, qualifications and particulars of experience to Medical Director.

#### KING'S COLLEGE HOSPITAL

**DENMARK HILL, S.E.5.**  
Locum Tenens Assistant Pharmacist required for 14 weeks from June 23rd, 1947. Salary 8½ guineas per week. Applications, with details of experience, should be sent to The Pharmacist at the above address.

## CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:— MEDICAL STOREKEEPER and INSPECTING PHARMACIST required by the Government of Nigeria for the Medical Department for one tour of 18 to 24 months with prospect of permanency. Salary and expatriation allowance in the scale of £600 rising to £1,075 a year. The selected candidate will enter the scale at a point commensurate with his age, war service, qualifications and experience. Low income tax. Outfit allowance £60. Free passages and liberal leave on full salary. Furnished housing accommodation is available at a rent fixed by the Government. Candidates preferably not over 35 years of age must be Members of the Pharmaceutical Society of Great Britain and should have had experience of handling and controlling medical stores and hospital supplies of all descriptions. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/17053 on both letter and envelope.

## KENT COUNTY COUNCIL

### ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Hospital, Sevenoaks Road, Orpington. Assistant Pharmacist (M.P.S. or Ph.C.), either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary. Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

County Hall, Maidstone.

June 12, 1947.

## MANCHESTER ROYAL INFIRMARY

Assistant Pharmacist required. Salary in accordance with the scale of the Joint Negotiating Committee (Hospital Staff). Applications, stating age, qualifications and experience together with copies of testimonials should be sent to the General Superintendent.

## ST. MARK'S HOSPITAL FOR DISEASES OF THE RECTUM AND COLON, CITY ROAD, LONDON, E.C.1

Applications are invited for the post of PHARMACIST. Salary in accordance with J.N.C. scale. Applications stating age, qualifications and experience together with copies of three recent testimonials, should be sent as soon as possible to the Secretary.

PHARMACIST (HOLIDAY RELIEF) wanted at the Essex County Council Hospital, Wanstead, London, E.11, from 1st to 20th September next inclusive. Inclusive salary will be paid at the rate of £8 8s. a week. Applications should be made to the Medical Superintendent as soon as possible.

## SURREY COUNTY COUNCIL

LOCUM ASSISTANT PHARMACIST required at EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

Salary £8 10s. per week inclusive. Further information from the Medical Superintendent to whom applications should be sent.

## SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:— EPSOM COUNTY HOSPITAL, Dorking Road Epsom.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing, stating age, qualifications and experience, with a copy of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

## AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

A GENT, good connection essential, required to call chemists, grocers, stores, for (a) East Scotland (b) North Scotland. Commission. Car own preferred. Send all particulars to 1/149, C. & D. Office.

BRITISH manufacturers recommend Durban agent with strong connections druggists' stores throughout South Africa, 1/126, C. & D. Office.

FIRM of sales managers of national repute, offering valuable sole selling rights throughout U.K. to live, well established sales agents or sole agencies on liberal commission terms in following areas. North-eastern Counties, Lancashire, Birmingham, Nottingham, East Anglia, Sussex, Hants & Dorset, Devon and Cornwall, Gloucester, Aberdeen, Bristol, Liverpool. Only real salesmen, firmly established with chemist, druggist, hairdressers, need reply, other replies will be nored. 1/164, C. & D. Office.

IMPORTER desires to represent English manufacturing chemist house for packed pharmaceutical products, surgical goods, chemists' sundries, etc., exclusively for British East Africa. Large yearly turnover guaranteed. Preference will be given to attractively packed products and those have experience of export trade should apply. Q Ref. 759621, 1/131, C. & D. Office.

PERFUMES, perfume bases, beautifying products. Paris house desires live agent for market exclusive lines. Enormous possibilities. W. Ryman, Le Chateau Frontenac, 34 Rue Pierre C. de Beauharnais, Paris, 8e.

REPRESENTATIVES required calling on retail chemists to sell on commission only. Co-pastilles, C.F. Good quotas. Area 3, Hertford, Huntingdon, Bedford, Northampton, Berks, Oxford, Cambridge. Area 4, Glamorgan, Monmouth, Hereford, Carmarthen, Cardigan, Hereford, Worcester, Radnor, Brecknock. 1/130, C. & D. Office.

RAVELLERS wanted to carry additional selling lines on commission; Northumberland, West-  
land, Cumberland, Durham, Lancs, Cheshire,  
Lincs, Norfolk, Suffolk, Wales, London  
and Counties, Edinburgh and N. Scotland. State  
and lines carried. 1/147, C. & D. Office.

WELL-KNOWN distributing house to chemists,  
stores, etc., with U.K. coverage is open to  
consider 2 additional branded products offering wide  
possibilities for sole distribution. Replies in  
confidence, to 1/76, C. & D. Office.

## BUSINESS OPPORTUNITIES

6 for 36 words or less, 3d. for every additional word

LARGE company manufacturing all types of  
polishes, household cleaners, etc., have facilities  
available including hand and automatic filling,  
analytical control laboratory and expert technical  
advice, for the production of customers' own name  
products. Enquiries should indicate whether  
supply of tins and packing material also is desired.  
60, C. & D. Office.

DVERTISER invites enquiries from British and  
American firms contemplating manufacturing  
and distributing in Eire. He is prepared to procure  
suitable sites for premises or to purchase suitable  
premises; initiate business and act as managing  
director, or director and general manager; wide ex-  
perience of the pharmaceutical and chemical trade  
and of business generally. Graduate in Science and  
Commerce, Barrister-at-law, qualified accountant and  
retary. Competent to deal with all problems of  
frequencies, import and export requirements, and  
various Departments. Extensive connections in  
the Ex-British officer decorated and despatches.  
Salary required £800 to £1,000. Lesser offers not  
considered. Reputable firms only need apply. 1/52,  
& D. Office.

AN investor in search of satisfactory income yield  
plus capital appreciation can obtain both  
through the acquisition of a private company own-  
ing a group of drug stores and a mail order busi-  
ness, replete with valuable leases, quotas, stock,  
luxurious suite of offices and well-equipped factory,  
warehouse, etc. The business has been established  
over 20 years and all the shops are situated in prominent  
shopping centres in the South of England.  
£16,000 required for quick sale, approximately £16,000,  
payable on reasonable terms. 1/133, C. & D. Office.

EXPORT. Manufacturer invites inquiries for a  
new range of high class cosmetics. The Franklin  
Boratories, Ltd., Abingdon, Berks.

MALL Anglo-Belgian firm holding exclusive Con-  
tinental rights well-known British pharmaceutical  
products requires additional capital. About  
£10,000. Excellent opportunity. 50 per cent. participa-  
tion. 1/108, C. & D. Office.

TABLET-making, surplus capacity available. Re-  
duced charges during summer months. Facilities  
for packing if required. 1/189, C. & D. Office.

TOILETS quota (large or small) will be purchased  
by advertiser. Please state amount for sale and  
price for outright purchase. 176/942, C. & D.  
Office.

## EXPORT TRADE

MANUFACTURER has available for export,  
toilet, and cosmetic preparations. Inquiries  
wanted. 1/186, C. & D. Office.

## WANTED TO PURCHASE

## PERFUMERY BUSINESS

holding licence to import French  
Perfumes for sale in the Home  
and Export markets.



*Advertiser is world famous in  
the fashion industry and would  
consider purchasing a controlling  
interest in a progressive  
firm.*



Write in strictest confidence to :  
Box L.R.2 c/o C. J. Lytle Ltd.,  
24/25 New Bond St., London, W.1

## BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

NEWCASTLE-ON-TYNE district. Sound chem-  
ist's business in good locality wanted by private  
chemist. Must stand full investigation. Early cash  
settlement. Please state preliminary particulars of  
size, class of trade, turnover, etc., in strict confi-  
dence, to 1/137, C. & D. Office.

REQUIRED to purchase surgical, drug and (or)  
hygienic stores, London or provinces, coastal  
towns. Write in confidence, 1/79, C. & D. Office.

## BUSINESSES FOR DISPOSAL

7/6 for 40 words or less 2d. for every additional word

BAKER STREET, just off, excellent opportunity  
to acquire old-established business of dispensing  
chemists. Excellent shop and basement. Good lease.  
Rent only £104 p.a. Price for goodwill, including  
fixtures and fittings, £1,250. Stock at valuation.  
Apply F. & W. Stiles, 170/3 Piccadilly, W. Regent  
6844.

OLD-ESTABLISHED high-class family dispensing  
business in rapidly expanding suburb of Bir-  
mingham for sale to best offer. Valuable freehold  
property with excellent living accommodation. An-  
nual turnover at present approximately £9,000.  
Accountants' figures available. Further details on  
application to bona fide enquiries giving banker's  
reference. 1/139, C. & D. Office.

# QUALIFY IN OPTICS

The next DIPLOMA IN OPHTHALMICS  
EXAMINATION  
will be held in  
LONDON, JULY 15th & 16th  
Application Form, Syllabus, &c. from  
THE REGISTRAR,  
INSTITUTE OF CHEMISTS' OPTICIANS,  
2, CLEMENT'S INN, STRAND, W.C.2.

**WEST** London. Good main road. Sound old-established well-fitted pharmacy. Big dispensing business. Turnover under management (audited accounts), £5,050, improving and scope for further increase. Stock, fixtures and fittings at valuation. 20 years' lease at £75 per annum, which includes good living accommodation and garage. Goodwill £3,000. 1/140, C. & D. Office.

**WIMBLEDON.** Chemist business for sale, as going concern, with living accommodation. Genuine. Owner retiring. No opposition. Net profit about £600 per annum. £3,500, or with freehold premises, £2,500 extra. Apply, Hayes, 4 Hill Road (opposite station), Wimbledon 6464.

## WANTED

1/6 for 36 words or less, 2d. for every additional word

**A** BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

**A** LL types flattd cartons over 12 in, urgently wanted; good prices paid. Details, sizes, quantities, to 1/176, C. & D. Office.

**A**UTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.15.

**C**OLLOID mill required for ointment and cream manufacture. Output 200/250 lbs. per hour. Full details, price, etc., to 1/78, C. & D. Office.

**G**LYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

**G**LYCERYL Mono Stearate and Lactose B.P. or crude. By chemists. 1/198, C. & D. Office.

**G**LYCERIN wanted, any quantity. Please quote. 1/199, C. & D. Office.

**L**IQOURICE and menthol pellets required in bulk. 1/184, C. & D. Office.

**M**ANUFACTURERS urgently requiring ceresin wax. Write 1/145, C. & D. Office.

**P**HENOLPHTHALEIN, phenacetin, caustic soda, soda ash, sodium bicarbonate, B.P. required in substantial quantities. Top market prices paid. 1/43, C. & D. Office.

**P**OWDER filler to fill four-ounces and twelve-ounces into tins required urgently. Preferably Albro type but any accurate filler entertained. 1/14, C. & D. Office.

**P**ROKLIMAN tablets (Ciba) up to 250. Offers to C. G. & Co., Ltd., Oldbury, B'ham.

**R**OTARY tabletting machine wanted by manufacturers. Send full particulars and where seen, to 1/144, C. & D. Office.

**S**ACCHARIN tablets, standard strength, urgently required by good class country pharmacy. Highest prices paid. Purchaser would collect personally. Write in strictest confidence to 1/182, C. & D. Office.

**S**ACCHARINE Powder or Tablets required, £ worth. Cash terms. Locks, Chemists, Finsbridge.

**S**ACCHARIN tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

**S**TEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

**W**ANTED. 6 oz. medical flats, plain or graduate with screw caps. Submit prices and quantities for disposal. 1/185, C. & D. Office.

**W**ANTED. Manesty No. 3 machine. State price and particulars. 1/175, C. & D. Office.

**W**ANTED. Glycerine, soda benzoate, benzaldehyde, salicylic acid, stearic acid, soda bicarbonate, phenacetin saccharin, soda ash, caustic soda, vanillin, lactose. 1/180, C. & D. Office.

**W**HITE technical oil required in quantities 20 gals. upwards. Please send particulars together with price to 1/168, C. & D. Office. 26-OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

## MISCELLANEOUS SALES

1/6 for 36 words or less, 3d. for every additional word

**A**PROX. 200 gross 1 oz. plain ointment tins for disposal. Offers wanted. 1/152, C. & D. Office.

**B**OOTTLES. Approximately 180 gross, new, 6 oz. plain medical flat, cork mouth. Not graduated 32/6 gross, delivered London. 1/159, C. & D. Office.

**C**APS. Immediate delivery. Duplex Unishift fitted liners. 59 gross 51 mm. black, 12s. per gross; 33 gross 58 mm. black and 60 mm. white, 13s. 6d. per gross. 325 Preston Road, Harrow, Middx. Arnold 1315.

**F**OR immediate disposal. 100 gross Diplodent rubber contraceptives, 24/- gross. 50 doz. Addis Nylon toothbrushes, 9/- doz. 15 gross 1 oz. bottle teats, 12/- gross. 20 gross razor blades, gross. State quantities required. 1/201, C. & D. Office.

**F**OR sale, 30 gross 16 oz. ribbed ovals; also 2 gross 2 oz. cork mouth panels bottle, nice shape. V. C. Collier, 46 Haymill Road, Burnham, Bucks.

**M**ANESTY steam-heated automatic water still. £600. Capacity 2 gallons per hour. G condition. 1/193, C. & D. Office.

**S**URPLUS. 7 cwt. citronella oil 51 p.c. geraniol. 1/1 C. & D. Office.

**S**URPLUS stock. 60 gross, 2 oz. cream jars. M caps, reddish colour, 42s. 6d. gross. M exchange for glycerine. Box 830, c/o George Murray (Advertising), Ltd., 184 Strand, W.C.2.

**S**URPLUS stock. Glycerol dioleate, 1 cwt. B.P. 1/188, C. & D. Office.

**S**URPLUS stock of 50 gross 1 oz. tall jars with black enamel tops to clear, 22/- gross. 1/1 C. & D. Office.

**50** GROSS  $\frac{1}{2}$  oz. white oval shampoo type bottles, for sale, with screwed open tops and plastic caps, at 30s. gross inclusive. Seen London. 1/1 C. & D. Office.

**1,000** GROSS imported high-class toilet available in various shapes, at competitive prices. Sizes 2 oz. and 4 oz. in white opaque glass (similar to Pond's cold cream jars). 1/1 C. & D. Office.

# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

RETAILER—WHOLESALE—MANUFACTURER

circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, the British Empire, and foreign countries

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OL. CXLVII JUNE 21, 1947 NO. 3513

## Momentous? Tragic?

MR. F. C. WILSON, speaking at Cheltenham (see p. 716) has to some extent given, with the permission of his chairman, the views of those members of the Joint Committee who are not members of the National Pharmaceutical Union. Mr. Wilson spoke with strong feeling, and some of his remarks are more appropriate to a speech than to a printed record. Nevertheless, what he said throws further light on the differences within the Joint Committee which were apparent from the report of the Conference of Pharmaceutical Committees which was given in the June 7 issue of the *C. & D.* (p. 660).

Stripped of all personalities, the differences appear to centre round remuneration. Mr. Wilson challenges the claims of the N.P.U. to have been a successful negotiator. He feels that the Joint Committee would stand firm for a scale of remuneration based on recognition of every factor taken into consideration, for example, in the questionnaire organised recently by the Joint Committee and now in process, we understand, of being analysed. He fears, apparently, that the N.P.U. would be willing to compound for lower remuneration, based on what he calls "bargaining in goods." We have no doubt that both parties within the Joint Committee are entirely sincere in desiring the highest possible remuneration for chemists under N.H.S., and whether a sub-committee of the Joint Committee, or the Joint Contractors' Committee of the N.P.U. would prove more successful as negotiator is obviously a matter of opinion. The facts

are that the N.P.U., after twenty-six years' experience in the diplomacy of negotiating terms, has been given an overwhelming vote of confidence by the representatives of the Pharmaceutical Committees, and that it would be fantastic in the circumstances to attempt to rehabilitate the Joint Committee in that part of its activities which has concerned the remuneration of proprietor pharmacists under a National Health Service. "Momentous" (in his phrase) the decision may have been. It will be hard to convince the proprietor pharmacists, 93 per cent. of whom are members of their trade organisation, that there is anything "tragic" about what they have decided.

## Cost of Living and the Chemist

THE proposal to scrap the thirty-three-year-old cost-of-living index has met with approval in all quarters. Only the war prevented the earlier departure of this most out-moded measuring device which dealt in terms of commodities no longer on the shelves of the retailer, and ignored articles once regarded as luxuries for the privileged few and now accepted as necessities within the reach of all classes of the community. The Ministry of Labour cost-of-living index figures were instituted in the early stages of the first world war, with a view to measuring the percentage increases, month by month, in the cost of maintaining the standard of living prevailing among working-class households in July 1914. In order to compile the index, regular inquiries were made in order to ascertain changes in the retail prices of a range of goods and services which constituted some of the principal items in the average family expenditure. Food, rent and clothing were the first considerations and then fuel and light. Under "other items" were grouped the remaining expenses such as fares, domestic soap, soda, domestic utensils, brushes and pottery, tobacco and newspapers. After these purchases were made, little was left for anything else. The retail chemist of 1914 hardly featured in the working man's household budget. In the interim cost-of-living index, which was introduced on June 17, money spent at the chemist's now appears for the first time. In the group "Miscellaneous Goods," there

are several additions, including medicines, toilet soap and toilet requisites. A new basis for a permanent index is to be worked out later, and it may be that other items will then be added.

### Changes In Spending Habits

The decision of the Ministry's advisory committee to recommend discarding the old basis has therefore caused no surprise, but the difficulties which face it, however, in replacing the old index by a new one are by no means few, and arise in part from the constantly changing spending habits of the population, which quite probably might soon render a fixed list of items out of date. On the other hand, an alternative plan with an index, the composition of which varied with the actual expenditure of the public, though possible, has other disadvantages of a technical character; a fixed list which is subject to frequent revisions would seem more desirable. The Committee in an interim report, indicated that the United Nations Statistical Commission has expressed interest in this question, and that the International Conference of Labour Statisticians to be held in Montreal during August next will be considering the principle involved in an index of this nature.

### Time Limps Along

HAVING only a paper memory of what was written in *THE CHEMIST AND DRUGGIST* eighty-seven years ago, the Editor recently found it necessary, when he received from a London pharmacist the inquiry, "Do you consider the time yet ripe to modify your editorial leader, 'A Pharmacist's Utopia,' of December 15, 1860, in view of recent and probable changes?" to reach down from its shelf the volume in which that issue of the paper was bound before he could think of drafting an informed reply.

Too long to reproduce in full, the editorial is worth recounting in the following shortened version, which retains the style and wording of the original:—

THERE is a popular notion that the moment a man enters the ranks of trade he becomes practical. If theorists are occasionally found to be far more practical, clear-headed and observant than many of us suppose, your experienced

man, on the other hand, is often seen running into the lands of visions. This practical man has some cherished ideal of a perfect trade. Such an ideal always exists in the minds of those traders who wish to be raised to the more showy rank of "professional men." If the whole trade — calling — profession — or occupation of drug selling could be detached from the trade in fancy hardware and scented confectionery, the ideal of many a discontented pharmacist would be realised. A shop would not then be a shop—in the vulgar acceptation of the term—but a temple of science, a fountain of health—a something half-way between a "surgery" and a "laboratory." The presiding genius would not be a mere buyer and seller of drugs but an authority upon analysis, a contributor to scientific journals, and the author, it may be, of sterling treatises upon his art. This fancy picture of what a chemist and druggist might be has evidently inspired a writer who has passed many years in active and honourable connection with "the trade," and yet, with all honesty, and the best intentions, advises a steady course of science and starvation. In some few favoured neighbourhoods, with the prestige of an historical reputation, a chemist and druggist may maintain his establishment by the sale of medicines alone but, in ninety-nine hundredths of the general trade, the traffic in drugs must be joined to a traffic in "sundries."

### Plus ça Change . . .

Readers may feel inclined to reflect, as we did, that conditions today are after all not so very different from those of 1860. Scented confectionery may have passed to other traders. Hardware may be almost wholly in the separately-run departments of multiple concerns. But the pharmacist in the shop has still to rely on other things than pharmacy to provide him with a living. This basic fact has been little modified by "recent" changes, though "probable" changes may be a matter for varied opinions. Certain prophets today predict the gradual—or even rapid—disappearance of the shop pharmacist. Some experts would

ducate future pharmacists out of any such foolish notions as, for example, that serving sick customers from behind a counter is a useful and high-minded calling. Others, of no less "practical" background than those which aroused the satirical comment of our leader-writer of 1860, seem to be precipitately trying to make sure a chemist who cannot make a living out of pure pharmacy shall at least be prevented from making a profit out of proprietary medicines. For ourselves, we remain convinced that there is a promising future for the man in the shop, grounded both on the demands of the public, and on the satisfaction the work gives to a certain type of pharmacist. For the moment, the day dreamers may appear to have been having it very much their own way, but challenges to their views are already beginning to emerge. There are bold "theorists" who dare to assert that a pharmacist must make a living by selling if he cannot support himself by dispensing, and there is the logic of economic facts, which have a way of upsetting Utopias, pharmaceutical and otherwise. In short, we may answer our correspondent that we cannot consider the time is yet ripe to modify, except in details, our editorial of December 15, 1860.

### The Problem of Leprosy

THE leper-windows remaining in many of England's mediæval churches bear witness to the extent to which leprosy was prevalent in England at the time they were built. With a total population around two million in England in the Middle Ages, the country had over 300 leper homes. Later, with improving diet, standard of living and other factors, the incidence of the disease fell, until today, with a population of some forty-five millions, there is need for only one leper home in Britain. An exhibition organised by the British Empire Leprosy Relief Association and staged recently in London (see p. 704), though designed primarily for the public, serves to bring to mind the vast size and seriousness of the leprosy problem in other countries. It is estimated that throughout the world there are at least five million leprosy sufferers (two million of them British subjects) while

in certain areas, such as equatorial Africa, the incidence, though difficult to assess, is at the almost incredible level of 1 to 4 per cent. of the population. From earliest times lepers in India and China have eaten chaulmoogra nuts as a relief from their disease, but the first real advance against the lepra bacillus (isolated in 1871 by the Norwegian, Hansen) was made in 1916 by Sir Leonard Richards, who instituted a treatment involving the injection of a chaulmoogra oil preparation. The treatment is long and painful, however, and does not arrest the disease in the advanced stages. Research has been hampered by absence of any method of growing the bacillus *in vitro*, and the absence of a dependable blood test.

Recent work has shown penicillin to be of no value, but streptomycin (along with other substances thought to be of use against a sister disease, tuberculosis), is being tried. The greatest measure of success, however, has been obtained with the sulphones, compounds related to the sulphonamides. These include Promin or Promamide (diamino-diphenyl sulphone-*n*-dextrose sulphonate), which is toxic by mouth but may be given by injection; Diasone (disodium formaldehyde sulphoxylate 4.4' diamino diphenyl sulphone); Promizole (2.4' diamino-5-thiasolylphenyl sulphone); and Sulphetrone (tetrasodium phenylpropylamino-diphenyl-sulphone). The last is stated by Muir ("British Medical Journal," June 7, p. 798), to be under trial, and early reports indicate "promising results." The sulphones probably act, not by destroying the bacilli, but by preventing their multiplication and the formation of fresh globi [rounded masses of bacilli found typically in the disease]. The compounds are particularly useful in the lepromatous or severe type of the disease, but have the disadvantages of toxicity, length of treatment needed, and high cost. Other difficulties, peculiar to this field, which workers have to face include the extreme poverty of the patients. It is particularly to be hoped, therefore, that continued research will produce specifics of increasing usefulness, and that, after the initial outlay has been offset, the cost of production will be found to approximate more closely to the funds available.

# THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

## 5. CHILBLAINS, BLISTERS AND OTHER MINOR AILMENTS

THE chilblain is a common and distressing complaint that occurs not only on the feet, but also on the hands and even on the nose and ears. It affects all classes of people, of all ages, and the pharmacist is frequently called upon to advise in its treatment. Certainly it is as much in his province as in that of the chiropodist. Poor peripheral circulation, lowered vitality and damp cold are all exciting causes, but some individuals are more susceptible than others, and only slight changes of temperatures may be necessary to cause a chilblain to appear.

### Predisposing Factors

The chilblain bears a marked resemblance to the first stage of frost-bite, and it is accompanied by intense irritation and redness of the fingers, toes and other extremities. Considerable swelling often follows the irritation, and deformity may occur if the chilblain is allowed to become chronic.

The irritation causes a desire to rub it, and the so-called "open" or "broken" chilblain may result from the breaking of the skin. The skin may become soft and macerated, there may be much swelling and, if the wound is open, infection by bacteria may occur, leading to chronic sores and ulceration. In addition to cold and dampness, the percentage of blood calcium seems to influence the appearance of chilblains. Calcium affects the permeability of the capillaries and the blood coagulation rate, whilst an alteration in the balance of blood gases due to cold, which results in an oxygen lack in the surface tissues, appears to be a predisposing factor. The full physiological story of the chilblain has yet to be told, and much research remains to be done on this widespread minor ailment.

Warmth and good food, with an adequate vitamin intake, should be recommended, and additional calcium in the form of tab. calcii et sodii lact., preferably with vitamin D, or calcium injections, may be suggested. The peripheral circulation must be improved by massage and exercise, and contrast foot-baths are helpful.

Many formulas have been devised to overcome the irritation and congestion caused by chilblains. For the former the application of analgesics, preferably in ointment form, is desirable, and for the latter some method of counterirritation. Anal-

gesia is produced when certain drugs inducing diminished sensibility are applied to the skin or mucous membranes. Local anaesthetics such as benzocaine and orthocaine, essential oils such as those of cajuput and eucalyptus; and substances such as camphor, menthol, thymol and phenol, are suitable for application. They appear to overcome the irritation by depressing the end organs which impart such forms of sensation as pain and the feeling of cold.

As counterirritants, capsicum ointment or chillie paste is effective. Liniment such as lin. A.B.C. (lin. aconiti oleos, B.P.C. or lin. camphoros) alone are prescribed.

For broken chilblains, the addition of an antiseptic is helpful, but counterirritant should not be recommended. Ointment containing such antiseptics as acriflavine, proflavine sulphate, resorcinol, or oil of cade, in addition to a smaller percentage of an analgesic than is usually prescribed, have given good results. None of these substances, however, is of much value in curing chilblains. It is as well for the pharmacist to stress that chilblain creams and ointments provide relief only.

### Blisters on the Heel

The only really effective method of getting rid of chilblains is to apply warmth, ensure exercise, and choose footwear and hose with care. The occurrence of blisters on the heel, due to the friction of the shoe, is something with which the pharmacist often has to deal, and here again the trouble can only be prevented by discontinuing the use of the footwear which is its cause. The feet may be hardened with methylated spirit before exercise, and soap rubbed on the heel before walking. Padding is helpful, and the use of a piece of elastic adhesive bandage is a popular method of preventing friction. Should a blister be formed and burst, secondary infection may occur, necessitating counterirritation to remove any septic matter. Afterwards an antiseptic such as acriflavine solution, or an antiseptic ointment such as ung. bals. Peru. is required. A small and unbroken blister may be reduced by painting it with liq. iodi mitic which assists the absorption of the serous fluid.

Cracks and fissures in the skin may appear with both dry and moist skins, and infection may occur if care is not taken. Fissure

ociated with dry skins have hard, horny  
ges, and may be deep enough to penetrate  
the dermis. They are usually found on  
the heel or sole. Fissures on moist skins  
occur between the toes and, being in softer  
tissue, are often vascular and more painful.  
Application of an antiseptic such as liq.  
hydrogen perox. or liq. acriflavinae is use-

ful after thorough cleansing. The applica-  
tion may be followed by an emollient  
ointment such as *cremor zinci* containing a  
small percentage of tinct. benz. co. Really  
chronic fissures need prolonged and skilful  
treatment, and a chiropodist should be  
consulted by the patient on the recommen-  
dation of the pharmacist.

## PHARMACOLOGY

### The Most Ancient Portion of the Art of Healing

By J. ROSS-MANSELL, B.Sc., M.P.S.

EDANIUS DIOSCORIDES compiled a treatise on pharmacology in the early days of the Roman Empire, and it was he who first called the subject the name of "materia medica." One of his writings, which has come down to us (edanius Dioscorides *Anazarbari de Materia Medica, liber quinque*), was translated into "De Materia Medica" by his contemporaries, and the subject was so called for many centuries. In more recent years the term has fallen into disuse, since it does not embrace the whole subject, but signifies only the enumeration and description of medicinal articles employed internally. The term pharmacology has been adopted for the study of the action of drugs in the art of healing.

#### Range of Meaning

In the term *τὸ φάρμακον* (Pharmakon) both poisons and remedies are included, and the word indicates a form actually suitable for administration. In this sense Plato speaks of the poisoned cup given to Socrates. Homer (*Odyssey*, iv, 230) uses the word in the same sense: "Herbs, many that are healing in the cup, and many that are not." It was with a *φάρμακον* that Circe transformed the company of Ulysses into grizzly bears and later restored them to human beings. In several other passages of Homer the word occurs, sometimes with one and sometimes with the other meaning.

The physician learns about drugs and their preparation chiefly from a pharmacopoeia published by authority. The pharmacist is bound, in preparing his drugs and in carrying on his business, to follow accurately the instructions contained in that book of standards. Probably the first pharmacopoeia was the "Ricettario Fiorentino," published in Florence in 1489. In Germany the first was that of Nuremberg, written by Valerius Cordus and published in 1546. The first British Pharmacopoeia

did not appear until 1864, when it took the place of pharmacopoeias that had already appeared in London and Edinburgh in 1618—the "Pharmacopoeia Londinensis." The pharmacopoeias were formerly published in Latin. Now, however, most countries adopt their own language. The degree to which science has replaced empiricism can be traced through successive revisions of the pharmacopoeias, from the polypharmaceutical messes of Valerius Cordus down to the present-day era of antibiotics and chemotherapy—a transition that must have proved beneficial to patients.

The study of the action of remedies, which is the most important part of pharmacology, dates back to the earliest times of the healing art. Wherever among uncivilised nations a wound was to be healed or a disease cured, two methods were always used. Charms or magic words were recited over the ailing limb or over the sick man, and aromatic and bitter herbs were applied externally, or administered as hot infusions. The spells and incantations used in former times have either disappeared or, clothed in different forms, have become part of the rituals of certain religious faiths. From herbs the advance was to minerals, then to animal products, to the warm and saline springs of the earth, and thence to the chemical laboratory in which compounds were synthesised.

#### Books on Herbs, Medicines, Diseases

Observation, combined with increased intellectual development, led to diagnosis and the formulating of signs and symptoms. Books upon herbs, medicines and diseases, written in half-barbaric times, accumulated. The art of printing was utilised for their production with not less zeal than that used for distributing the Bible. The number of pharmacological works of the sixteenth century is considerable, and Shakespeare was able to make the healer Cerimon say in "Pericles" (Act III, Scene 2):

"I ever  
Have studied physic, through which  
secret art,  
By turning o'er authorities, I have,  
(Together with my practice) made  
familiar  
To me and to my aid the bless'd infusions  
That dwell in vegeties, in metals,  
stones;  
And I can speak of the disturbances  
That Nature works, and of her cures."

In the drama Lord Cerimon, it is true, succeeds by his remedies in bringing back to life the fair one whose body has been rescued from the sea. But his numerous followers in the secret art of healing were often so little successful that even from academic chairs and downwards all healing by means of remedies was at one time declared to be an illegitimate use of medical knowledge and skill. This was a reaction from the state of affairs that had long existed when patients were regarded, not as subjects to be treated from an intimate acquaintance with disease, and after a proper diagnosis had been made, but merely as the recipients of a prescription. Therapeutics, the cure of disease, is the ripe fruit of the tree of medical knowledge, and is consequently its final aim and effort. Vesalius, the sixteenth century anatomist, transferred the wild plant to suitable soil. It has developed slowly there, though for a while exposed to evil influences, and almost uprooted by the wind of philosophy.

Scarcely an hour passes in which the busy physician does not apply the powers which "dwell in vegeties, in metals, stones." He does so with the confidence that pharmacology today is cultivated on the same lines as all the other natural sciences. By investigating the purely chemical properties and elementary action of a "pharmakon" we may sometimes learn more of its character and of the nature of its effect upon human beings than by testing its action on the living organism. From the action of iodoform in a solution of fatty oil, and from the action of the iodine thus liberated, important conclusions were reached regarding the action of iodoform in the human body. Knowledge of the way quinine acts in malarial fevers was obtained by studying its effects on the lowest organisms. The antipyretic virtue of salicylic acid was inferred from the discovery of its antiseptic properties, its non-poisonous nature, and its partial indestructibility in the organism. The results of such investigations have as much weight as the determination of blood pressure.

## ULSTER CHEMISTS

At the June meeting of the Executive Committee of the Ulster Chemists' Association Mr. R. Gibson (president) in the chair it was reported that, following the decision not to recommend an increased wage scale recommended by the Associates' Section (see *C. & D.*, May 31, p. 611), a communication had been received from the Ministry of Labour enclosing a letter of complaint from the Associates' Section. The letter stated that the existing machinery for settlement of the dispute had not been adequately used. After discussion, the Committee agreed that a further meeting of the Joint Council should be called, at which the employer members were empowered to make certain proposals.

Following a discussion at the previous meeting, Miss A. E. Strachan (secretary) reported that representations had been made to the Ministry of Food concerning the granting to chemists opening new businesses of licences to sell soap by retail. The Ministry had rejected the proposal.

The following were elected to membership:—Miss J. B. Devlin, Ph.C., Coalisland, and Mr. H. S. Porter, Ph.C., successor to Mr. S. Niblock, Ph.C., The Square, Comber, Co. Down. The following, whose applications had been approved by the Associates' Section, were elected as Associates:—Mr. T. J. Lemon (pharmaceutical chemist); Messrs. R. J. Ballantine and Max Crowley (assistants); and Messrs. J. Cunningham and D. McAlinden (apprentices).

## FIFTY YEARS AGO

### Dangerous Cargo

From the *C. & D.*, June 19, 1897

The first paper [at a meeting in London of the Society of Chemical Industry] was a "Note on the Possible Danger from Fire Involved in the Transport of Barium Peroxide in Wooden Barrels," by Dr. A. Dupré, F.R.S. The note was the outcome of an investigation respecting an outbreak of fire on board ship. The cargo was miscellaneous, and included several chemicals of which barium peroxide seemed to be one upon which suspicion might rest. Dr. Dupré's experiments demonstrated that the chemical and commercial world have been living on the brink of disaster . . . "I take my old broomstick," said the Home Office explosives adviser, "and rub it once smart on this board, on which I have placed little barium peroxide, and you see what ensues," and it did.

## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

### Income from Proprietaries

SIR.—Writing in the *C. & D.* in 1945 (I.130), Granville Shaw expressed the view, shared by many others, that a chemist cannot expect to make a living out of dispensing. If he was right, and the proprietary medicine trade were to be drastically curtailed, as the Pharmaceutical Society proposes, how would pharmacists make a living? Is it not really from the sale of proprietary articles that we do, in practice, obtain a living? I am not, of course, suggesting that it is right for proprietary medicine manufacturers to make unreasonable claims for their products.

Yours faithfully,  
VERITAS.

### British Amino-acid Compounds

SIR.—Your correspondent, Mr. H. Rocter Smith (*C. & D.*, June 14, p. 697) refers to the protein hydrolysate manufactured by his company as the only 100 per cent. amino acid preparation which is made in England. It is well known that other protein hydrolysates are available, including those manufactured and distributed jointly by the writers' companies. Neither the American product Amigen nor any other protein hydrolysate can be described as a 100 per cent. amino acid preparation, which infers that there is a complete conversion to amino acids. All protein hydrolysates at present available are complex mixtures of polypeptides and amino acids. Our own products, oral and intravenous Casydrol, contain some of the carbohydrate which is necessary to prevent the hydrolysates being wasted by the body for energy purposes.

Yours faithfully,  
G. MALCOLM DYSON,  
Technical Director, Genatosan, Ltd.  
B. P. THORNLEY,  
Joint managing director, Benger's, Ltd.

### Pharmacists' Soap Supplies

SIR.—The toilet soap trade is in great trouble all over the country, in spite of answers given many times in the House of Commons in recent months. Questions put by members have produced from the soap makers more generous supplies of soap, but retail chemists, except in rare instances, cannot buy them, for the reason that sales fell so low during the "thin" period that

today they have not enough coupons. In this respect the drug trade has suffered more than any other. During 1946 much of pharmacist's soap stock was coupon-free. I myself had:—Non-coupon soap, 300, coupon soap, 300. Average sales: 500 per period of two months. Late in 1946 all the free soaps were switched on to coupons. My sales are now 150 per period. For the past six months I have had only enough soap to give one tablet per half-coupon to each customer, in place of three tablets per whole coupon. What is needed is a supplementary coupon allowance to enable chemists to buy the ample stocks being offered—not more soap, but to put it into circulation.

Yours faithfully,  
Crewe. J. MAVOR.

### Science and Song

SIR.—A paragraph in "Topical Reflections" on the invention of the laryngoscope (*C. & D.*, June 14, p. 675) led me to look up records of the event; for, as often happens in such cases, the claim of Manuel Garcia has been admitted with reservation in some quarters. The relevant facts are clearly set forth in "Notice sur l'Invention du Laryngoscope," a pamphlet issued in Paris in 1861 by Richard Paulin. A French translation of Garcia's monograph read, in English, at a meeting of the Royal Society on May 4, 1855, is included in the pamphlet. Garcia's account of the matter, in a letter from London dated May 4, 1860, is that the idea of using mirrors for studying the interior of the larynx came to him at intervals for a long time, but that he put it aside, regarding it as impracticable. Robert Liston, in his "Practical Surgery" (1840, p. 417), had written that a view of the ulcerated glottis might "sometimes" be obtained by means of a speculum such as is used by dentists—a single mirror. In 1854, during a holiday in Paris, Garcia decided on a new experiment. Having provided himself with a dentist's mirror and a hand-mirror, he visited his sister, "très-impatient de commencer mes essais." The view of her larynx was satisfactory; but, on his return to London, fog became a serious obstacle to systematic research. Garcia then approached Mr. Williamson, Professor of Chemistry in the University of London,

who suggested the use of oxy-hydrogen light; this, however, was insufficient, as was the electric light of the period, and the investigator had to wait for the "apparitions assez rares du soleil." As he wanted larynxes for dissection, he was referred to Dr. William Sharpey, Professor of Anatomy and Physiology in the University and secretary of the Royal Society. On learning the nature of the study in hand, Dr. Sharpey ordered his laboratory attendant to supply as many larynxes as were required, advised Garcia to write a paper, and offered to read it before the Royal Society. The maker of the laryngoscope was Coxeter of London. The monograph was duly read on the date I have mentioned; it appears in the Proceedings of the Society (VII. 399-410), was reprinted in the "Philosophical Magazine" (September 1855, pp. 218-28), and was translated into French in the same year. It deals with anatomical and physiological points arising in the production of vocal sounds.

Yours faithfully,  
ADEST.

## MISCELLANEOUS INQUIRIES

**Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted for the purpose.**

**Hair Varnish.**—*B. C.*—A hair varnish usually consists of an alcoholic solution of resin or gum benzoin. The following is a typical formula:—

Resin .....	gr. 10
Gum benzoin .....	gr. 20
Alcohol .....	gr. 70
Perfume .....	q.s.

**Relaxing Butterflies.**—*S. L. L.*—A method used for relaxing butterflies prior to mounting is as follows: The bottom of a flat zinc box is lined with a folded dishcloth moistened slightly with water containing about 0.5 per cent. phenol to prevent the growth of moulds. Several sheets of blotting-paper are then placed on the dishcloth and the butterflies mounted on pins above the paper. A close-fitting zinc lid is placed on the box, which is then left for about twenty-four hours, when the butterflies should be sufficiently relaxed.

For green butterflies, which tend to become discoloured by the previous process, the following method is recommended: A small glass-stoppered jar is partly filled with laurel shoots, which have been cut small and broken up with a hammer, and a layer of tissue paper is placed loosely above them. The butterfly is then mounted with a pin above the tissue paper, the stopper is replaced and the preparation left until the butterfly is sufficiently relaxed. Care should be taken, whichever method is used, not to leave pins inside the containers any longer than necessary, as even minute traces of rust are liable to cause discolouration of the butterflies.

## B.Ph., T.S.A., M.P.S., R.I.P.

**SIR**,—Recent activities on the part of the Pharmaceutical Society have brought us almost certainly, to a parting of the way. We have been asked to doff our ("industrial ten") overalls and don our academic robes. With the help of the Ministry of Health, the Proprietary Articles Trade Association may "go down for the count." A Therapeutic Substances Act licence is incompatible with a cash register, for surely no graduate can be expected to proffer advice on "nappy rash." Writers have deplored the passing of the gaily coloured bottles from chemists' windows. Will somebody now write an elegy on the kindly old M.P.S., who made and sold remedies for corns, coughs and constipation? Perhaps the B.B.C.'s "Man in Black" will bring the "ghost" of Bloomsbury Square" to the microphone. Pharmacists are at the crossroads. They run the risk of being buried heads down.

Yours faithfully,  
R. S. W.

**"Winchester" Quart.**—*A. C. H.*—The name Winchester, applied to bottles, is derived from the dry and liquid measure-standards which were kept by the Saxons at Winchester before 950 A.D. At that period copies were legally compared with these and stamped. The Normans removed them to Westminster to the custody of the King's chamberlains at the exchequer, and they were preserved in the crypt of Edward the Confessor, while remaining royal property. In addition to the Winchester quart, there are also a Winchester gallon and Winchester bushel.

**Colorado Beetle.**—*P. G.*—The occurrence of the Colorado beetle in Britain is not considered by the authorities to be sufficiently serious for the beetle to be classed as a regular pest, and the Ministry of Agriculture and Fisheries, at present, are not recommending any insecticide to be used privately against possible infestation. Any person who finds what he suspects to be a Colorado beetle is requested to send it to, or communicate with, the Ministry's Pathological Laboratory, Milton Road, Harpenden, Herts or with the police.

**Vitamin E for Cattle.**—*L. F.*—Vitamin E plays an important part in the reproductive cycle of cattle. It is used in suitable cases to increase fertility in cows, while its use has also had some success in preventing habitual abortion. It may be administered in the form of wheat germ oil orally, cows and heifers requiring 60 c.c. For infertility the dose is given in one 2-c.c. capsule daily, commencing thirty days before service. To prevent abortion the dosage should be repeated throughout the third and sixth months of pregnancy. Alternatively it may be administered by injection, cows and heifers being given 15-20 c.c. once a month. When used against abortion it is advisable to give one injection during the third and sixth months of pregnancy.

## OVERSEAS TRADE NEWS

**Indian Shellac Shipments.**—Total shellac exports from India during May amounted to 39,450 packages, compared with 34,449 in April and 50,471 in March.

**British Exhibition in Copenhagen.**—The date of the all-British Exhibition to be held in Copenhagen (*C. & D.*, June 14, p. 74) is September 1948 and not as previously stated.

**Canadian Exports of Medicines.**—During 1946, Canada exported medicines, including proprietary preparations, valued at \$5,343,000, compared with \$5,740,000 in the preceding year.

**Penicillin Factory for Mecklenburg.**—The Mecklenburg (Northern Germany) Government intends the establishment of a penicillin factory in Rostock. The factory to commence production on October 1.

**Clove Supplies in Zanzibar.**—During March, supplies of cloves in Zanzibar totalled 2,400,048, and of clove stems, 661,041 lb. Shipments of cloves amounted to 27,754 140-lb. bales and 80,983 lb. of clove oil was exported.

**Australian Uranium Fields.**—Uranium fields discovered recently by prospectors in the Mount Painter region of Southern Australia appear to be highly promising. It is proposed to prospect further in at least three different localities.

**Spanish Olive Oil for U.S.**—The first shipment of Spanish olive oil since the winter deal in 1946 is due to arrive in New York on June 30. Licences have been granted to ship 2,000 tons of olive oil to the U.S. in exchange for soya beans. The outlook for further supplies, however, is not good since Spain finds it difficult to meet home requirements.

**German Glass for Export.**—The British Purchasing Agent at Minden, Germany, states that certain china and glassware is to be exported from the U.S.-U.K. Zones of Germany, including technical ceramic and hollow glass (bottles and carboys) products. Information and advice to intending importers may be obtained on application to the German Division, Board of Trade, I.C. House, Millbank, London, S.W.1.

**U.S. Allocations of Streptomycin.**—The U.S. Department of Commerce has announced initial streptomycin allocations for June totalling 636,800 gm., compared with 553,900 gm. in May. Domestic civilian use has been raised in June to 456,350

gm. from the May figure of 370,000 gm. but allocations to the armed services and exports for civilian use have remained unchanged at 30,000 and 100,000 gm. respectively.

**Oilseed Mission in Gold Coast.**—Mr. Clay, leader of the Colonial Office Oilseed Mission now in the Gold Coast, stated recently that the Mission was primarily concerned with long-term schemes for the development of oilseeds and soya beans in West Africa. He suggested three lines of approach to mechanised development; the plantation system, collective farming and land settlement schemes. The importance of communications and harbours was also mentioned and it is thought the Jumasi railway may be extended to the Northern territories (see *C. & D.*, May 24, p. 595).

**U.S. Import Requirements.**—A new publication, entitled "Import Requirements of the United States Food, Drug and Cosmetic Act," has been prepared to explain to foreign manufacturers and shippers, who wish to resume trade with the U.S., the regulations regarding these products. The pamphlet lists the standards which have been promulgated and gives some of the reasons for refusal of entry of certain products in the past. Single copies of the pamphlet, listed as Miscellaneous Publication No. 2, may be obtained from the Food and Drug Administration, Washington, 25, D.C.

**Trading with Japan.**—The date for the reopening of trade with Japan (see *C. & D.*, June 7, p. 641) has been fixed for August 15. Accommodation is to be made available for 400 business men and it is expected that the Inter-Allied Trade Board in Washington will determine the number to be admitted into Japan from each Allied nation. Pricing will be carried out by commodity specialists of Allied Headquarters, though business men may discuss other matters with Japanese producers. All prices will be quoted in dollars, but sales may be effected in any acceptable currency. All transactions completed must be licensed by the Japanese Government and validated by Allied Headquarters. Commodities available for purchase by foreign buyers include drugs, surgical and dental instruments, and chemicals of various kinds. It is understood that cosmetics, fish-liver oils, camphor and vegetable waxes are also available in satisfactory quantities.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, June 18

THERE is little to report in the market for PHARMACEUTICAL CHEMICALS. Demand continues on a very high scale and inquiries from overseas buyers are being received in growing numbers for a large range of products. Needless to say, every effort is being made to increase production of these chemicals. Price changes during the past week were confined to EPHEDRINE HYDRO-CHLORIDE; one maker has brought the price schedule into line with higher costs of production. The market, generally, shows a firm tone. A good inquiry has been received for CINCHOPHEN, but makers point out that supplies of this product are still very short.

#### Crude Drugs

Although most of the recent importation of Japanese AGAR has been disposed of, a few bales are still available. The rather firmer market for Curaçao ALOES continues and shipment values are higher. Substantial inquiry has been received for CAMPHOR and a fair business done at recently quoted prices. CASCARA SAGRADA has been a dull market and there is a tendency for shipment prices to drop. There has not been much call for ERGOT and holders are inclined to accept lower offers; forward quotations have eased. There has been some request for GALBANUM but none is available. The easier market for GINGER continues and lower quotations are forthcoming for Kordofan GUM ACACIA. A fair business has been passing in LIQUORICE at previously quoted prices. Brazil MENTHOL has decreased in price, but Chinese material remains firm; there has been no news of shipment offers of the latter. SHELLAC prices continue to fall; F.O.T.N. pure, on the spot, is currently quoted at 300s. per cwt. It is understood that some quotas of commodities imported from the U.S. have been cut, in that importers are to receive two-thirds only of their quota now and the balance later on in the year.

#### Essential Oils

Business in ESSENTIAL OILS has been on a routine scale with buyers encouraged to make purchases by the easier conditions which are now prevailing. Among the oils now selling at lower prices are CINNAMON LEAF, CITRONELLA, GERANIUM and LEMON-GRASS. Supplies of several English-distilled oils are showing improvement, but an exception to this is CORIANDER. It is reported that distillers are getting a poor yield from the seeds now available.

In the ISOLATES, CITRAL, HYDROXY-CITRONELLAL and GERANOL have been reduced in price as a result of the lower costs of citronella and geranium oils.

#### U.S. Drug and Chemical Report

New York, June 1

FEATURING the FINE CHEMICALS mark was a 10 cent reduction in manufacturer schedules for refined GLYCERIN which established a new price of 40 cents per lb., tank-cars. This was brought about chiefly by the heavy saponification of fats over recent weeks. It is pointed out, however, that there may be falling off in glycerin output later this year as soap-kettle operations will quite likely be cut down. The U.S. Commercial Co. has announced that it is to sell on a sealed bid basis about 1,200 cwt. (approx. 36 tons) of Japanese MENTHO for shipment to this country before September. These goods will not be available before the major consuming season starts in the U.S. however, and the announcement had no effect on the market, where the quotation for current material was raised 1 cent per lb. earlier in the week. Most of the SALICYLATES are in a very firm position and higher raw material costs are expected to result in advanced quotations for BUTYL ALCOHOL and BUTYL ACETATE.

The large quantities of surplus MERCURY on the market are responsible for the present slump in prices (\$84 a flask compared with the 1929-39 average of \$91 and the control ceiling of \$192) and increased rates of consumption is expected to result in "corrective" price movement when the stocks are exhausted. Limited domestic demand and a moderate export inquiry is reported in CRUDE DRUGS generally. CARNAUBA WAX is very unsettled and prices have been advanced in keeping with schedules in Brazil, despite the virtual non-existence of inquiry in the U.S. About 1,000 tons Mexican CANDELILLA WAX are reported on their way from Mexico to the United States.

Although reductions in quotations have again been noted on the ESSENTIAL OIL market, a steadier undertone is reported as it is generally felt that prices have almost reached bottom levels. There is a fair inquiry for soap oils.

#### Pharmaceutical Chemicals

ASPIRIN.—Makers' prices per lb., in the home market (containers in brackets), are as follows: 28 lb. and under 1 cwt., 4s. 4d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb.). Net one month.

BISMUTH.—Makers' quotation for CARBONATE in 1-cwt. lots is 14s. per lb. Schedules for smaller quantities are from 15s. 8½d. per lb. upwards. CITRATE is 20s. SALICYLATE 1s. 4d., and SUBNITRATE 2s. 7d. per lb. below the above prices; SUBGALLATE is 2s. more than the carbonate.

**BORAX.**—Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £ powder, £39 10s. Commercial grades, per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. These terms do not apply to Northern Ireland.

**BORIC ACID.**—Current rates per ton lots B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. These terms do not apply to Northern Ireland.

**CHLORIDES.**—Makers' current rates are as follows: POTASSIUM—1 cwt., 2s. 6d. per lb.; 28 lb., 3s. 0½d.; 14 lb., 3s. 2½d.. Powder 2d. per lb. more. SODIUM is ½d. per lb. less than above rates and AMMONIUM 1½d. lb. more.

**CALAMINE.**—B.P.C. quality is quoted at 2d. per lb. for quantities of 1 cwt.

**CALCIFEROL.**—Quotations are from 11s. 12s. per gm., according to quantity.

**CALCIUM GLUCONATE.**—Supplies are very short. Quotations are from 3s. 3d. per lb.

**CARBROMAL.**—Importers' quotations are from 32s. 6d. to 35s. per lb., as to quantity.

**ERGOMETRINE.**—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., 0; 5 gm., £19 5s.; 20 gm., £19. ACID, 1 gm., £14 15s.; 5 gm., £14 5s.; 10 gm., £14.

**ETHYL MORPHINE.**—Current rates per oz., the home market, are: ALKALOID, ½ oz., 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., s. 9d.; 4 oz., 52s. 6d.; HYDROCHLORIDE, oz., 49s.; 1 oz., 46s 6d.; 2 oz., 45s.; 3 oz., s. 3d.; 4 oz., 44s.

**HYOSCINE HYDROBROMIDE** — Makers' quotations are from 147s. 6d. to 150s. per oz., according to quantity.

**ISOPROPYL ALCOHOL.**—B.P.C. quality is quoted at 13s. 9d. per gall.

**LACTATES.**—Makers' quotations per lb. are as follows: CALCIUM, 2s. 3d. to 2s. 9d.; CALCIUM SODIUM, 3s. 3d. to 3s. 9d.; LACTIC ACID, 3s. to 3s. 3d.

**LACTOSE.**—Quotations are from £120 per ton upwards, according to quantity.

**LECITHIN.**—Ex ovo, 85 per cent., is quoted at prices from 90s. per lb., upwards.

**METHYLTHIONINE CHLORIDE.**—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

**SALICYLATES.**—Makers' prices per lb. (containers in brackets) for SODIUM SALICYLATE, current in the home market, are as follows: 28 lb. and under 1 cwt., 3s. 2d. (1-lb.); 3s. 1d. (2-lb.); 3s. 0½d. (4-lb.); s. 11½d. (7-lb.); 2s. 11d. (14-lb.); 2s. 10d. (28-lb.). Net one month.

**STILBESTROL.**—Quotations are from 3s. 3d. to 2s. 6d. per gm. STILBESTROL PROPIONATE is available at the same prices.

## Crude Drugs

**AGAR.**—Japanese strip in original packages is quoted at 18s. 8d. per lb. plus 28s. 6d. per bale of 100 lb.

**ALOES.**—Curacao, on the spot, is quoted at prices from 240s. to 250s. per cwt.; forward quotations, from 215s. to 220s. c.i.f. Socotrine, on the spot, is steady at 150s. to 190s. per cwt., according to quality. Cape, in boxes, for shipment, is quoted at 175s. to 177s. 6d. c.i.f.

**AMMONIACUM.**—Tears, on the spot, are quoted at 2s. per lb.

**ANISE (STAR).**—Spot quotations are easier at 140s. per cwt., duty paid; forward, 100s. c.i.f.

**ARECA NUTS.**—Quiet. Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

**BALSAMS.**—*Canada*, on the spot, is rather scarce at 15s. per lb.; Para *Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* is available at 18s. per lb., spot.

**BAY LEAVES.**—Leaves without stems are offered on the spot at 95s. per cwt.

**BENZOIN.**—Spot quotations for Sumatra are unchanged at from £17 10s. to £24 per cwt., according to quality.

**BUCHU.**—New-crop short rounds are quoted at 4s. 3d. per lb., spot; shipment, 4s. c.i.f.

**CAMPHOR.**—Steady. Chinese tablets (½-oz.), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.) 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

**CANTHARIDES.**—Chinese is offered at 15s. per lb., spot.

**CAPSICUMS.**—East African is steady at 120s. to 140s. per cwt., according to quality.

**CARDAMOMS.**—Quiet and steady. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

**CASCARA SAGRADA.**—1946 peel is quoted at 275s. to 280s. per cwt., duty paid. American new-crop bark for shipment is quoted at prices from 200s. to 210s. c.i.f., duty paid.

**CASCARILLA.**—Quiet. Quills are quoted at 1s. 10½d. per lb.; siftings are available at 1s. 6d., spot.

**CASSIA PODS.**—(*C. fistula*).—East Indian is easier at 80s. to 85s. per cwt., ex wharf.

**CHAULMOOGRA.**—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

**CHILLIES.**—Mombasa, quoted at 165s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

**CINNAMON.**—Quillings are quoted at 2s. 6d. to 2s. 8d. per lb., spot; featherings, 1s. 10d. to 2s.; chips, 1s. 2d. to 1s. 4d.

**CLOVES.**—Zanzibar are quoted at 9½d. to 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

**COCHINEAL.** — Silver greys quoted at 4s. 3d. to 4s. 6d. per lb., spot; blacks are quoted at 5s. 9d. per lb.

**COCOA BUTTER.** — Maximum controlled price is 2s. 11d. per lb. delivered.

**COLOCYNTH.** — Fine-white is offered at 2s. 2d. and medium-white at 2s. per lb., spot.

**DIGITALIS.** — Portuguese is steady at 130s. per cwt., spot; English-grown, 2s. 6d. per lb.

**ERGOT.** — Spot quotations are from 5s. to 5s. 3d. per lb.; forward offers are lower and are in the region of 4s. 6d., c.i.f.

**EUPHORBIUM.** — Spot quotations are in the region of 80s. per cwt.

**GALBANUM.** — Spot quotations are from 7s. 6d. to 9s. 6d. per lb., duty paid, according to holder.

**GAMBOGE.** — Siam pipe scarce on the spot, is quoted at £65 per cwt.; shipment, £45 c.i.f.

**GENTIAN.** — A quiet market. French natural root is steady at 100s. per cwt.; cut, 130s. spot.

**GINGER.** — Easier. Jamaica No. 1 is quoted at 117s. 6d. to 120s. per cwt. spot; No. 2, 102s. 6d. to 105s.; No. 3, 97s. 6d. to 100s. Sierra Leone is quoted at 67s. 6d., spot.

**GUAIACUM RESIN.** — Lump material, to arrive, is quoted at 3s. per lb., landed.

**GUM ACACIA.** — Steady. Quotations for Kordofan cleaned sorts are at 74s. per cwt., spot; shipment, 67s., c.i.f. Bleached No. 1 is quoted at 145s., ex store. Talha is quoted at 41s. per cwt., spot; forward, 37s. 6d., c.i.f.

**GUM MASTIC.** — No. 1 is offered at 16s. per lb., duty paid.

**HENBANE.** — Indian leaf is quoted at 250s. per cwt., spot.

**HYDRASTIS.** — Spot quotations are firmly held at 60s. per lb.

**IPECACUANHA.** — Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

**IRISH MOSS.** — French material, finest-quality bleached is quoted at 120s. per cwt., spot; No. 1 is at 105s.; No. 2, 95s. per cwt.

**JALAP.** — Vera Cruz is offered at prices from 2s. 3d. to 5s. per lb. according to test.

**JUNIPER.** — Italian berries, quoted from 56s. to 65s. per cwt., according to quality.

**KAMALA.** — Spot stocks are reported to be cleared.

**KARAYA.** — No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

**KOLA NUTS.** — Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

**LIQUORICE ROOT.** — Steady. Anatolian whole root is steady at 60s. per cwt., spot. Turkish juice (block) is quoted at 250s. per cwt., duty paid; shipment, 225s., c.i.f. Italian block for shipment, 250s., c.i.f.

**LOBELIA.** — Spot quotations are firmly held at 6s. per lb.

**MACE.** — West Indian pale, spot, is quoted at 7s. to 7s. 6d. per lb.

**MENTHOL.** — Brazil is quoted at 45s. to 47s. per lb., duty paid, according to holder forward, 39s. to 40s., c.i.f. Chinese is quoted at 52s. 6d., duty paid; no forward offers are forthcoming.

**MERCURY.** — Spot quotations are at £17 3s. 6d. per flask ex warehouse; shipment £16 12s. 6d., c.i.f.

**MYRRH.** — Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality siftings, £8 to £10 per cwt.

**NUX VOMICA.** — Madras, steady at 40s. to 42s. 6d. per cwt. Managlore, 40s.; Cochin somewhat scarce, 42s. 6d. to 45s., spot according to seller.

**OLIBANUM.** — Fair to good drop is quoted from 200s. to 240s. per cwt.; pea size, 220s. good garblings, 180s.; seeds, 175s.; siftings 110s.

**ORANGE PEEL.** — Spanish quarters steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

**ORRIS.** — Steady. Florentine is quoted at 150s. to 160s. per cwt., spot.

**PEPPER.** — Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 10d. to 4s., spot.

**PIMENTO.** — Spot quotations are steady at 1s. 1½d. per lb.

**PSYLLIUM SEED.** — A parcel of black seed is being offered at 2s. 9d. per lb., spot.

**QUASSIA.** — For shipment June-July quoted at 34s. per cwt., c.i.f.; September-October shipment is quoted at 32s., c.i.f. spot, difficult to find, 40s. to 45s. per cwt.

**QUILLAIA.** — Natural bark quoted at 130s per cwt., spot; cut, for future delivery 150s., ex store.

**RHATANY.** — Steady. Spot quotations are unchanged at 11d. per lb.

**RHUBARB.** — Chinese, spot, is quoted at prices from 6s. to 8s. 6d. per lb. for fair to good fracture material; forward prices are from 5s. to 7s., c.i.f. French rhabontics is quoted at 2s. per lb., spot.

**SANDARAC.** — Quotations are at 6s. to 6s. 3d. per lb., ex store London.

**SARSAPARILLA.** — Jamaica, native red is quoted at 2s. 3d. to 2s. 4d. per lb., spot.

**SENEGA.** — Old-crop material is quoted at 12s. 6d. to 13s. per lb., spot. No offers of new-crop are available at present.

**SENNA.** — Tinnevelly leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 8½d. Tinnevelly pods, hand-picked, 10d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 3d. to 4s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

**SQUILL.**—Quiet. Italian is quoted at 70s. per cwt., spot.

**STRAMONIUM.**—Indian leaf is quoted at 5s. per cwt., on the spot.

**STROPHANTHUS.**—Quiet. Kombé seed, 100 er cent., quoted at 10s. per lb.

**STYRAX.**—Small quantities are available at 5s. per lb., duty paid.

**TAMARINDS.**—Barbadoes is quoted at 50s. per cwt., in bond.

**TONKA BEANS.**—Frosted Pará is offered at 9d. per lb., spot.

**TRAGACANTH.**—Selected ribbon is quoted at £155 per cwt.; other grades of white ribbon are available from £120 to £125 per wt. Lower grades are as follows: Pale leaf, £60 to £80; amber leaf, £35 to £55; red leaf, £17 to £25; hoggy, £12 to £15 per cwt.

**TURMERIC.**—Madras finger is quoted at 10s. to 105s. to 110s. per cwt., spot.

**VALERIAN.**—Belgian root is at 190s. to 20s. per cwt., according to holder.

**WILD CHERRY BARK.**—Thin natural, on the spot, is quoted at 1s. 6d. per lb., duty paid.

**WAXES.**—Dar-es-Salaam BEES' is steady at 360s. per cwt., spot; shipment is at 340s., c.i.f. Lindi, spot, is quoted at 350s.; forward, 340s., c.i.f. Shipment quotation for Benguela is lower at 310s., c.i.f.

**CANDELILLA.**—Steady. Spot is quoted at 445s. per cwt.; forward, 440s., c.i.f.

**CARNAUBA.**—Fatty, spot, is quoted at 700s. per cwt.; shipment, 620s., c.i.f.

Prime yellow is quoted at 875s., spot; shipment, 760s., c.i.f.

Medium yellow, spot, 820s.; shipment 700s., c.i.f.

**MONTAN.**—Rebeck is steady at 390s. per cwt., spot; Czechoslovak crude is quoted at 335s., spot.

**OURICURI.**—5 per cent. for shipment, 350s. per cwt., c.i.f.; 7 per cent., spot, 450s.; 2 per cent. is quoted forward 380s., c.i.f.; 2.2 per cent., spot, 480s.

## Essential andExpressed Oils

**ALMOND.**—B.P. sweet is firmly held at 8s. to 9s. per lb., according to quantity.

**BAY.**—Spot quotations for West Indian quoted at 11s. to 12s. per lb. according to quantity.

**CADE.**—Spot quotations are from 4s. to 5s. 6d. per lb., according to quantity.

**CASSIA.**—Spot quotations are from 17s. 6d. to 19s. per lb., as to quantity.

**CASTOR.**—Controlled prices are unchanged. Firsts, £180 per ton; Seconds, £176, naked ex works.

**CINNAMON BARK.**—English-distilled B.P. oil is available at 42s. 6d. per oz.

**CINNAMON LEAF.**—Quotations are at from 11s. 6d. to 13s. 6d. per lb., according to quantity.

**CITRONELLA.**—Ceylon, on the spot, is available at prices from 7s. to 8s. per lb.

**CLOVE.**—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

**CORIANDER.**—Very scarce. English-distilled oil is available at 250s. per lb.

**FENNEL.**—Supplies have improved. Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

**GERANIUM.**—Bourbon is quoted at 70s. to 77s. 6d. per lb., according to quantity.

**GINGER.**—Quotations range from 75s. to 125s. per lb., according to quality and seller.

**GUAIACWOOD.**—Quoted at 16s. to 19s. per lb., spot, according to quantity and seller.

**JUNIPER BERRY.**—English-distilled, from European berries, is quoted at 125s. to 135s. per lb. Imported oil can be obtained at prices from 35s. to 40s. per lb.

**LAVENDER.**—French (38 to 40 per cent. esters) is quoted at 47s. 6d. to 55s. per lb. Spanish (spike) is quoted at 11s. 6d. to 12s. 6d. per lb., spot.

**LAVANDIN.**—Spot quotations are from 11s. 6d. to 15s. 6d. per lb., according to seller.

**LEMONGRASS.**—Cochin is quoted at from 8s. to 10s. per lb., spot.

**LIME.**—West-Indian distilled oil is quoted at 35s. per lb., spot.

**LINSEED.**—Controlled price of crude is £200 per ton, naked ex works.

**NEROLI.**—Spot quotations are from 87s. to 92s. per oz., according to quantity.

**NUTMEG.**—English-distilled oil is easier at 53s. 6d. to 55s. per lb., spot; West-Indian distilled, to come forward, 42s. 6d. to 45s. per lb.

**OLIVE.**—Controlled price of edible, 1 per cent., is unchanged at 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums.

**ORIGANUM.**—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

**PALMAROSA.**—Spot quotations are from 35s. to 42s. per lb., according to seller and quantity.

**PATCHOULI.**—Seychelles, spot quoted at 110s. to 115s.; to come forward, 80s. per lb. Singapore, spot, 180s. to 190s.

**PIMENTO BERRY.**—English distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb., according to quantity and seller.

**RAPESEED.**—Controlled price of crude oil is £190 per ton, naked ex works.

**ROSEMARY.**—Spanish is quoted at 9s. to 11s. per lb., according to seller and quantity.

**SANDALWOOD.**—English-distilled is quoted at 70s. to 75s. per lb., according to quantity.

**SASSAFRAS.**—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

**THYME.**—Red oil (40-42 per cent. phenols) is at 13s. 6d. to 16s. per lb.; white oil is quoted at 17s. to 18s. 6d. per lb., spot.

**VETIVERT.**—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

**YLANG YLANG.**—Scarce. Quotations are in the region of 100s. per lb.

## TRADE MARKS

(From "The Trade Marks Journal," May 28)

"TARASQUE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, soaps, essential oils, hair lotions and dentifrices (3). By Société Anonyme de Diffusion Internationale de Parfumerie, 58 Rue de Provence, Paris (9e), France. B645,439.

"GLYSOLAN"; for toilet preparations (not medicated) and cosmetic preparations (3) and pharmaceutical preparations (5). By W. Fletcher (Chemists), Ltd., 5 Rampayne Street, Vauxhall Bridge Road, London, S.W.1. 646,772. (Associated).

"VOUS SEULE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps, and essential oils (3). By Edmond Rosens, 49 Rue de Prony, Paris France. 646,871.

"APHRONDONT"; for tooth-paste (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 647,387.

"CHARBERT"; for toilet water, face powder, talcum powder, dusting powder, bath salts, cold creams, skin lotions, all being toilet preparations (not medicated); perfumes, brilliantine, bandoline, toilet rouge, lipsticks, perfumed sachets, hair lotions and cosmetic boxes, powder boxes and rouge boxes (3). By Parfums Charbert, Inc., 730 Fifth Avenue, New York, N.Y., U.S.A. 647,713.

"PHENOXYLAN", for substances containing chlorinated phenoxyacetic acid and homologues thereof, all being weed killers (5). By Pest Control, Ltd., Harston, Cambridgeshire. 638,886.

"VITAX"; for medicines in tablet form for use in the treatment of asthma, bronchitis, hay fever and similar complaints, being goods for sale in the United Kingdom only (5). By Harry Spacey Waite, 64 Effingham Road, Rotherham. 639,080.

"DIBOTIN"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 645,613.

"TINEAFAX"; for pharmaceutical preparations for use in the treatment of tinea diseases of the skin (5). By The Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 646,998 (Associated).

"SILMURIN"; for vermin-destroying preparations (5). By Sandoz, Ltd., 60 Fabrikstrasse, Basle, Switzerland. 647,048 (Associated).

"NURS-LEAVE," "NURS-WALK" and "NURSWISH"; for all goods (5). By Ricks, Ltd., 298 Cavendish Road, Balham, London, S.W.12. 647,184-86 (Associated).

"KLEE"; for brushes (21). By O. & M. Kleemann, Ltd., 156-62 Oxford Street, London, W.1. B647,395 (Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT  
Specification No. 643,425 by Bryten Toilet Products, Ltd., should be altered so as to read "Oils,

ointments, and spirits, all being medicated preparations."

Specification No. 643,536 by Bayer Products, Ltd., should be altered so as to read "Analgesic preparations for export."

Specification No. 645,616 by Bayer Products, Ltd., should be altered so as to read "Pharmaceutical preparations containing sulphur for use in the treatment of skin diseases in animals."

(From "The Trade Marks Journal," June 4)

"GRANNOMORE"; for hair dyes and cosmetic preparations (not being toilet preparations) (3). By Monroe Harrison, 1502 South Michigan Avenue, Chicago, Illinois, U.S.A. 641,001.

"ALPINOX"; for creams and powders for the feet and bath salts, all being non-medicated toilet preparations (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 644,120.

"ENDURA"; for shampoos, hair lotions, hair oils and preparations for use in hair waving and hair curling (3). By Endura (England), Ltd., 51 Portland Road, Kingston-on-Thames, Surrey. 644,791 (Associated).

"ARONTAN"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps and essential oils (3). By James N. Whyte, 36 Hamilton Street, Saltcoats. 645,494.

"LEADING LADY"; for cosmetic preparations (not being toilet preparations) and soaps (3). By Roy D. Warnford-Davis, Moorgate Hall, Moorgate Street, London, E.C.1. B646,338.

"VITOPHATES"; for pharmaceutical tonic preparations containing vitamins, but not including medicated tablets or medicated bath tablets (5). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 646,578.

## COMING EVENTS

Monday, June 23

NORTHANTS COUNTY BRANCH, NATIONAL PHARMACEUTICAL UNION, George Hotel, Kettering, at 7.30 p.m. Discussion on proposed reorganisation of Branch. Mr. R. H. Kemp, Ph.C. (local organisation officer, N.P.U.) on "What is Round the Corner?"

Wednesday, June 25

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, at 2.30 p.m. Annual meeting. Discussion on "New Proposals for a Revised Constitution," opened by Mr. A. A. Meldrum (a member of the Society's Council).

MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Platt Fields, Manchester (meet at pavilion) at 6.30 p.m. American tennis tournament open to pharmacists, students and friends. Admission sixpence.

Friday, June 27

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, St. Ermins, Caxton Street, London, S.W.1, at 11 a.m. Annual court of governors.

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& AROMATIC  
COMPOUNDS  
FROM  
AUTOXIDATION**

**3 FOR THE INHIBITION  
OF PEROXIDE FORMATION  
IN ETHERS**

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*Oil and Soap*,  
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*Pharmaceutical  
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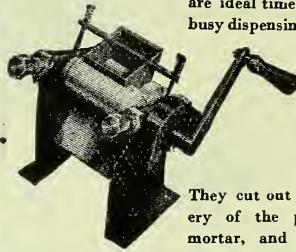
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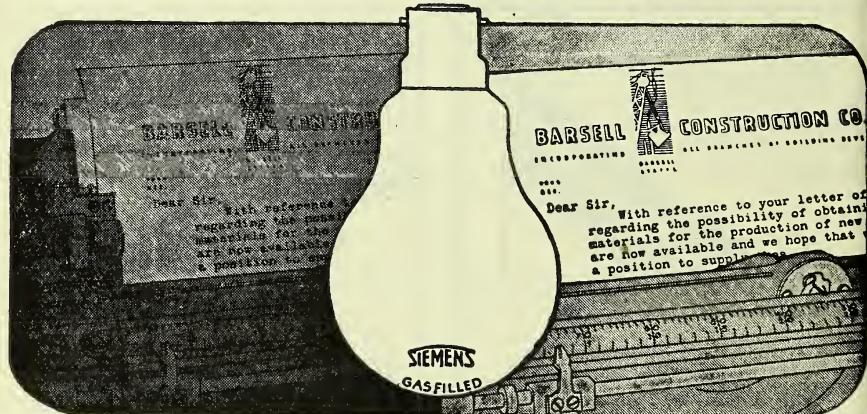
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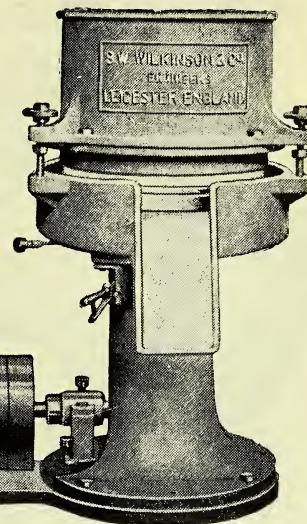
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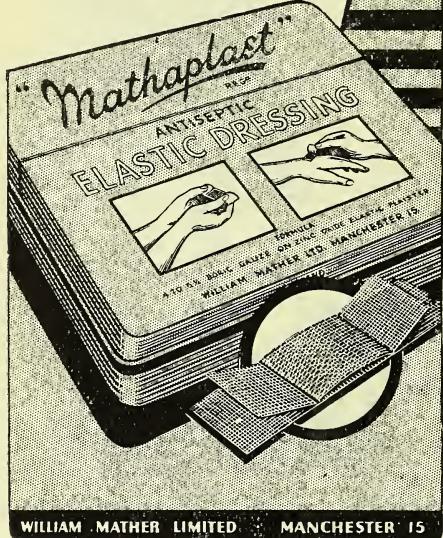


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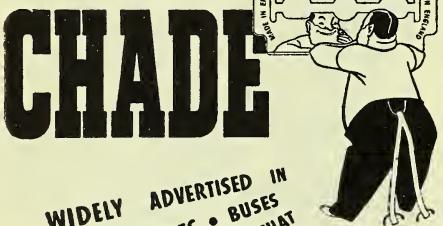
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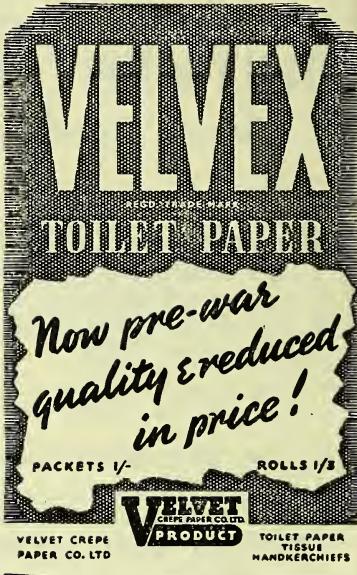


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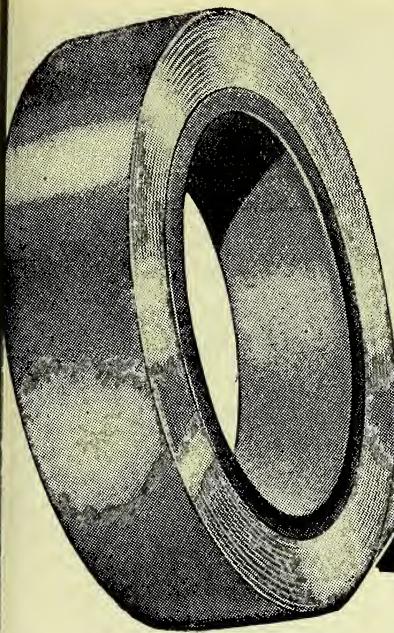
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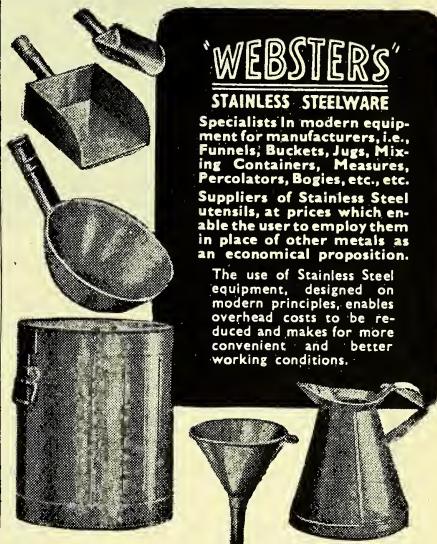
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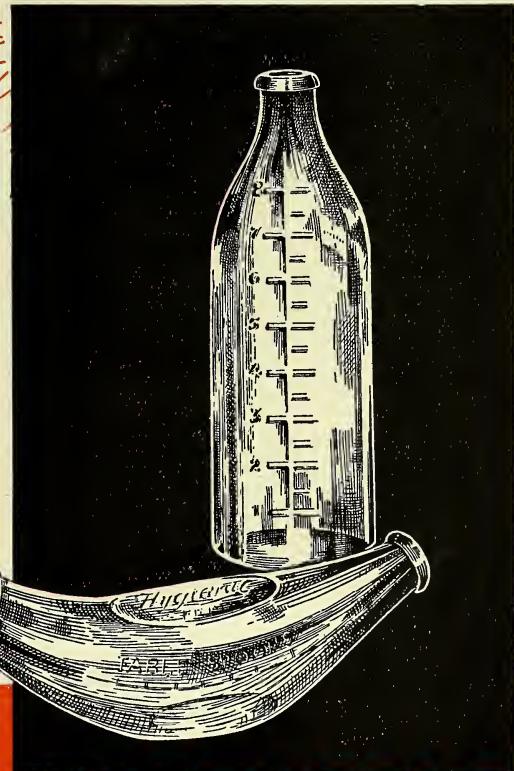
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DRUG CONTAINERS,  
MEDICAL FLATS AND  
PANELS, ETC., ETC.



The essential needs of the nation  
still demand priority. To those  
planning ahead we invite enquiries  
for Glass Container Requirements.



**Wholesale &  
Export Only**

London Office :-

28 Ludgate Hill, E.C.4

Telephone : CITY 7170

**LAX & SHAW** Ltd

REGD. OFFICES : Albert Glass Works, Hunslet, LEEDS, 10  
Telephone: 21568 (2 lines)      Telegrams: Feeders Phone Leeds



# “ZEMS” HERBAL LICORICE TABLETS

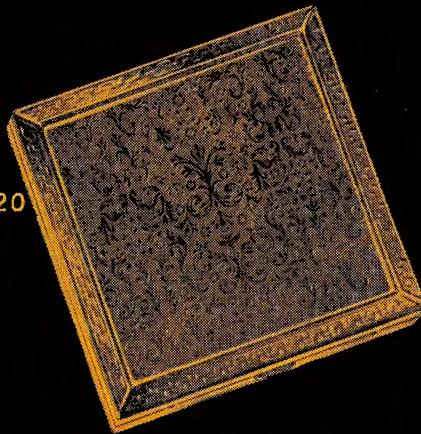
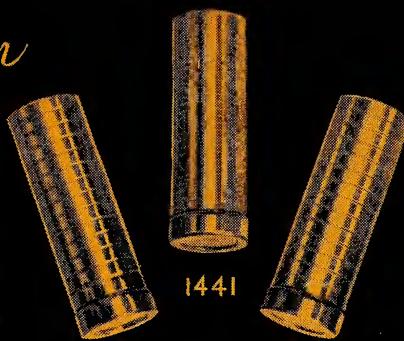
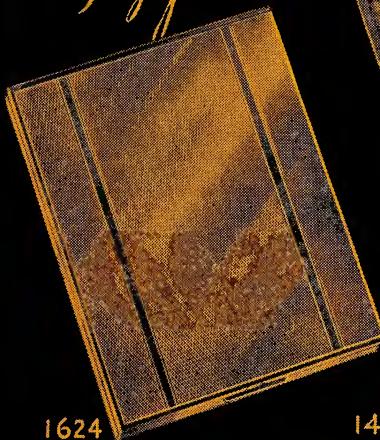
THE BEST MEDICATED TABLETS  
FOR COUGHS, COLDS,  
ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F.  
Wholesale Houses

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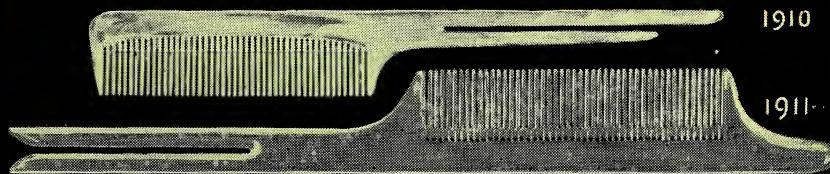
**ZEMS, LTD.**  
718-724 Seven Sisters Road, London, N.15

*Pygmalion*



*Compacts,  
Lipstick cases,  
Cigarette cases.*

*Combs of every description . . .*



**S · D · RAND**

5-6 Argyll Street, Oxford Circus, London. W.1.

Telephone, GERRARD 3746

*Order from your usual Wholesaler*

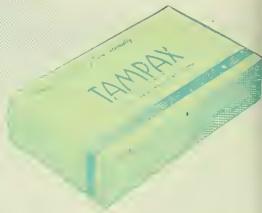
# The 3 stages of selling

*There's a logical sequence in the selling of Tampax, perfected form of internally worn sanitary protection, and it's as simple as 1-2-3*

**1 It starts in the home . . .** When the day is done and woman is in her most receptive mood, relaxing with her favourite magazine or newspaper. Here she sees the story of the unique advantages of Tampax—told in restrained, dignified but readership-compelling advertisements. Stage 1 is done  for you.

**2 It continues in the window . . .** with display material we will gladly supply. Women know, without the necessity of asking, that here Tampax is on sale. And that may mean the difference between a customer-in-the-shop and a passer-by without-buying. Tampax displays are tastefully designed and worthy of any window. 

**3 It is completed on the counter . . .** with a Tampax display container placed where the customer can help herself—making for an easy, unembarrassing purchase. Such purchases foster goodwill, and bring repeat sales . . . for once women have tried Tampax they rarely revert to other methods. And if they buy from you once,  they will buy from you again.



# TAMPAX

SANITARY PROTECTION—WORN INTERNALLY

PACKETS OF 10:

TRADE 15/9 DOZ. RETAIL 1/9 PACKET.

Distributed through leading wholesalers

TAMPAX LTD. Sales Office: 110 Jermyn Street, London, S.W.1. Telephone: Whitehall 8696/7

P.A.T.A.

These are the months to push SHELLTOX—the “double action” insecticide that kills all the insect pests which make themselves a nuisance in every home.

**cash in on**

# **SHELLTOX !**

There's no doubt about the success of SHELLTOX ! Public demand, fostered by nation-wide advertising, has already established it as the No. 1 household insecticide—and the news will go on spreading. Help it along, and help yourself. Be generous with window space—SHELLTOX is worth it. Display it on your counters—SHELLTOX sells all the time. Make personal recommendations—customers will be grateful. Just give it the chance—SHELLTOX pays big dividends !

★ Show the new SHELLTOX sprayer where all can see it. Streamlined, non-dripping, it's another big profit-maker.



★ Link up with national advertising for SHELLTOX. Ask the SHELLTOX representative for display material.

**Order more SHELLTOX—stocks keep moving !**

# OZONOL is back—for your "HOME" TRADE



You can now satisfy the demand for both OZONOL Air Purifiers and Refills. National advertising is in preparation and free window displays gladly arranged.

### PRICES

Complete 42/- per doz.  
plus 8/- P.T. (Retail 5/4).  
Refills 18/- per doz.  
Tax Free. (Retail 2/-).  
Orders fulfilled in strict  
rotation until supplies are  
normal.



**OZONOL LABORATORIES (1930) LTD.**  
NEW WHARF ROAD • LONDON • N.1

### IMMEDIATE DELIVERY



BROTEX Reg'd  
**ALUM BLOCK**  
For Use After Shaving  
**STYPTIC PENCIL**  
For Cuts and to Stop Bleeding  
**"KINGDOM"**  
**WASHING POWDER**  
For Linens, Cottons, Woollens  
Silks and General Kitchen Use  
**TOILET & PERFUMERY  
PREPARATIONS  
FOR EXPORT**

FULL PARTICULARS  
& PRICES FROM THE  
MANUFACTURERS

**BROTEX PRODUCTS LTD.**  
MANUFACTURING CHEMISTS  
49A GRAYLING RD, LONDON N16  
TELEGRAMS: CLAYWAX LONDON



Containers of Metal  
Glass, Aluminium  
and Plastic  
(PERCENTA LTD.)  
Tel: Hop 0516 (6 lines)  
(Dpt. 23) Percenta House, 130/2 Tooley St., London, S.E.

### FLY PAPERS

First quality, impregnated with high percentage of D.D.T./Geigy. Retail 4½d. each and saleable by Pharmacists only. 30/7 Gross, cash with order.

MEDISERVICES LTD. STOCKPORT

### CANADA

Old-established Manufacturing Firm with complete sales representation and branches across Canada, dealing directly with Drug, Department and Chain Stores, desires to contact manufacturers (other than Perfumes and Soaps) with a view to manufacturing and distributing their products in Canada.

On account of the extent of the Canadian territory with its few large cities, and otherwise sparse population, this plan for volume operations and lessened overhead should be mutually and financially advantageous. Strictly confidential.

Address: — Manufacturer, P.O. Box 457,  
Montreal 3, CANADA

# ANONA WINN

AMOUS STAGE AND RADIO  
TAR IS APPEARING IN 132  
ILLION ADVERTISEMENTS  
OR 'AURORAL' AND "WINNER"  
OYES DURING 1947

LESS 5% FOR  
CASH IN 7  
DAYS

**AURORAL**  
Cold Water Dyes  
48/- GROSS

**WINNER**  
Home & Stocking Dyes  
24/- GROSS

## WHITAKERS OF KENDAL

### SCIENTIFICALLY FORMULATED INSECTICIDES

#### SUISECT

containing D.D.T. Plus a High Percentage of Pyrethrum,  
SPECIAL INSECT POWDER LIQUID INSECTICIDE  
handy-sized sprinkler-top containers. 1/6  
RAY POWDER. In 8oz. lever-lid containers. 1/9

#### XTERMINEX

General Purpose Insecticidal DUSTING POWDER  
containing 8% D.D.T. in finest quality English  
china Clay. In 8oz. sprinkler-top containers. 1/6

#### EXOPEST

For Horticultural and Agricultural Use  
DUSTING POWDER WETTABLE SPRAY  
containing 5% D.D.T. POWDER  
finest quality English  
china Clay.  
8oz. sprinkler-top  
containers. 1/6  
25% D.D.T. — in 8oz.  
lever-lid containers. 2/6

ATTRACTIVE TRADE TERMS apply:

THE HYGIENIC CHEMICAL CO. LTD

SALES OFFICE & WORKS  
NEATH, GLAM.



TELEPHONE  
NEATH 637  
GRAMS, METALCLAD, NEATH

473/xx 23



# June

The first long days of midsummer bring thoughts of travel. Whether you are beginning to plan your holiday or whether you feel that now would be an appropriate time for that long-deferred business trip, preparations have to be made. The Midland Bank is ready to assist you with the services of experienced specialists in exchange matters, by obtaining your foreign currency and by providing travellers' cheques and letters of credit which are readily encashable abroad. With an unrivalled reputation overseas, this Bank has thousands of agents throughout the world who are at all times ready to assist its customers.

**MIDLAND BANK LIMITED**

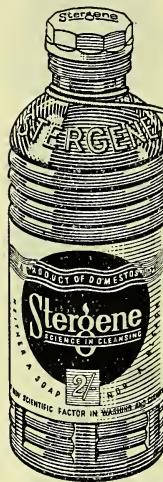
# STOCK LABELS



For Pharmaceutical and Toilet Lines in quantities from 100 upwards. A wide range of different designs in series



Ask for samples:  
**JAMES TOWNSEND & SONS, LIMITED**  
EXETER  
& AT THE ORCHARD PRESS, EASTCOTE, PINNER



*Supplies  
Temporarily  
Restricted*

At the moment we are unable to keep pace with the rapidly growing demand for "Stergene," our new scientific washer and cleanser, but hope supplies will increase before long. Meanwhile we are doing our best to everyone a fair share of limited quantity available.

**Stergene**  
SCIENCE IN CLEANSING

**DOMESTOS LIMITED**  
COLLEGE WORKS, NEWCASTLE UPON TYNE

# WANTED

## A BUSINESS OR PRODUCT

in the Pharmaceutical, Toiletry  
or Cosmetic Field

Do you have a business or product in the pharmaceutical toiletry or cosmetic field that has national sales possibilities? If you have, we are interested and would like to have brief particulars sufficient to lead to an interview with an Executive of this Company.

The advertisement is placed by one of the largest manufacturers and advertisers in the pharmaceutical and toiletry fields. We are interested in products old and new. National distribution is not essential.

All replies will be held in strictest confidence.

Address Box 164/543, C. & D. Office.

Price 3<sup>d</sup> each  
INCL TAX

Obtainable only from Retailers.  
JAMES NEILL & CO. (SHEFFIELD) LTD.  
2204

says M<sup>E</sup> VITALITY

Now that Simpkins Glucose Confections are de-zoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

#### GLUCOSE MEDICATIONS

Distribution by allocation will continue as hitherto. You are invited to apply immediately stating whether you are a datum or non-datum year purchaser chemist.

#### VITA GLUCOSE

Supplies available for Diabetics only.



#### Little-known Limericks—No. 35



Said a chemist: "I'm wearier and wearier  
Of women with shopping hysteria."

You should just hear the din  
When my Brand's goods come in!  
How I wish they were not so superior!"

The reason why there is always such a demand for Brand's goods is that women know them to be of top quality. The only way in which we can make things a bit easier for the retailer is to allocate our supplies fairly and impartially, and to see that you get your quota regularly.

Brand & Co. Ltd.

London

# AMAMI

and

# Pompeian

## announce change of address

PRICHARD & CONSTANCE (Manufacturing) Ltd., makers of AMAMI and POMPEIAN Products, beg to announce their removal to new and larger premises as and from JUNE 20th, 1947. Kindly note, therefore, that from the above date all correspondence, remittances, orders, etc. respecting AMAMI and POMPEIAN Products should be sent to:

**NORTH  
CIRCULAR  
ROAD**  
**West Twyford**  
**London N.W.10**

Telegrams: *Amamireg Haver London*  
Telephone: *ELGar 8095-6-7*

AMAMI and POMPEIAN PRODUCTS  
are prepared in England solely by PRICHARD &  
CONSTANCE (Manufacturing) Ltd. P.A.T.A.

'JAM' YESTERDAY  
'JAM' TO-MORROW

And even if a bit thin—Jam today as well. It is our constant endeavour to increase supplies both of "Bread and Jam" and—as always—to spread these supplies evenly and fairly

**Ferryman**  
OF SOUTHAMPTON

Wholesale and Manufacturing Chemists and  
Wholesale Druggists, Suppliers of Proprietary  
Drugs, Sundries, Packed Goods and  
Pharmaceuticals.

HERBERT FERRYMAN LTD.  
COBDEN BRIDGE, SOUTHAMPTON  
Telegrams: Ferryman Southampton  
Telephone: 75611 (5 lines)

## NO POINTS REQUIRED !!!

NO CHEMIST SHOULD BE WITHOUT  
THIS FINE ALL-YEAR SELLING LINE

**"LIKRO-MENTHS"**  
LIQUORICE & MENTHOL  
PELLETS

**6d. and 1/- inc. tax.**

Boxed 4 dozen packets to display outer  
6d. size - - 18/6 per outer inc. tax.  
1/- size - - 37/- per outer inc. tax.  
Minimum — 3 outers  
(Carriage Paid)

WHOLESALE ENQUIRIES INVITED:—

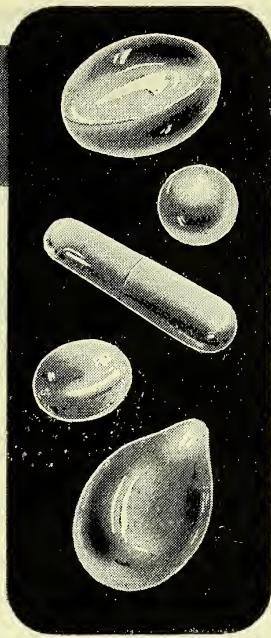
**W. JAMES DAVIES**  
(WESTERN) LTD.,  
Maindy Works, Maindy, Cardiff

# CAPSULES

by *Ferber's*

means quality, guaranteed and absolute reliability. Own formulæ prepared in strict confidence. Hand or machine made capsules according to quantity and contents. Home and Export enquiries invited.

**ROBERT FERBER LTD**  
CARLTON WORKS, ASYLUM RD, S.E.15  
TELEPHONE • • • • • NEW CROSS 0768



**CRESTOL**  
ANTISEPTIC MEDICATED CREAM  
IODINE OINTMENT

**CRESTANOL**  
VAPOUR RUB

**CRESTOZONE**  
INHALANT

**IODOCREST**  
OINTMENT  
also

ZINC, BORACIC and SULPHUR  
OINTMENTS, and PETROLEUM JELLY

**REST LABORATORIES LTD.**  
Manufacturing Chemists  
URY NEW ROAD, SALFORD 7

**John Knox**

(*Stoke-on-Trent*) Ltd.

Wholesale and Manufacturing Chemists

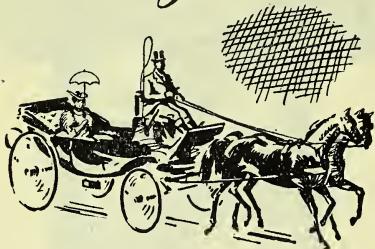
*beg to announce that their  
removal to more extensive  
premises is now completed.*

*All communications should  
now be addressed to :—*

**JAYNOX WORKS**  
KING STREET  
FENTON, STOKE-ON-TRENT

PHONE  
Longton 39221  
(4 lines)

TELEGRAMS  
Jaynox  
Stoke-on-Trent

*Carriage Trade*

“The quality” were once your important customers. Now it is the people. All classes equally feel the effects of mineral deficiency. All need an adequate mineral supplement to offset years of rationing.

You can give no better advice than, “Take Calfos”. Calfos replaces depleted mineral reserves. For every expectant and nursing mother Calfos provides the natural minerals she needs to bear and rear a healthy child, without loss or damage to her teeth and bone.

For children of all ages Calfos is pleasant and easy to take.

*Please write for special Trade Terms*

**CALFOS**  
*Natural Mineral TABLETS*

CALFOS LIMITED • IMPERIAL HOUSE  
KINGSWAY • LONDON • W.C.2

C.F.

P.A.T.A.

for  
**TABLETS & PILLS**  
CAPSULES, LOZENGES  
& SUPPOSITORIES

consult

EXPORT  
ENQUIRIES  
INVITED

**MATTHEWS  
&  
WILSON**

EST. 1894

6-8 COLE STREET  
LONDON, S.E.1

**If You're out of One**

**Recommend the Other**

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Linctus is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints and mentions their prices.



**INTERNATIONAL  
LABORATORIES LTD.** PATA  
1/3 Smedley Street  
London, S.W.8

# Re-arm your customers for increased fitness

More and more of your customers are being told about VOL-VITE—the chocolate-coated multi-vitamin tablets with a standardised content of vitamins A, B<sub>1</sub>, C and D<sub>2</sub>. Daily they will be reading in national advertisements now appearing, how VOL-VITE can help to re-arm them to increased fitness in the drive to national recovery. Be prepared for their demands by ordering today from your usual wholesaler or direct from the sole distributors.

25 days' supply costs 4/6  
36/- doz. in units of 1 doz. tins

## VOL-VITE

P.A.T.A.

The chocolate-coated multi-vitamin tablets  
Another HOWARD-TAYLOR product

W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LTD.  
Horseshoe Lane, Enfield, Mddsx. ENFIELD 4747 (10 lines)

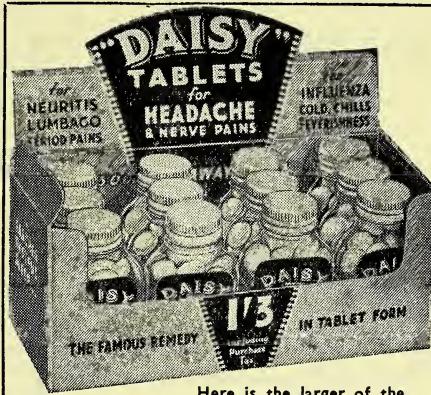
Sole  
distributors :

## AUTOMATIC OINTMENT FILLING MACHINES WANTED

New or Second-hand  
Suitable for Filling  
oz. and  $\frac{1}{8}$  oz. TINS

Write Box No. 1/34

CHEMIST & DRUGGIST'  
ESSEX STREET, LONDON, W.C.2



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit. **UNIVERSALLY ADVERTISED**

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard.

Order from your Wholesaler: 1 Display carton (1 dozen), 1/3. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)  
J. E. ELLIS LTD., HORSFORTH, LEEDS

# Chemicals for the Pharmacist

Manufactured by ALBRIGHT & WILSON Ltd

PHOSPHORIC ACID  
SODIUM PHOSPHATES  
CALCIUM PHOSPHATES  
HYPOPHOSPHITES  
CARBON TETRACHLORIDE  
SODIUM METAPHOSPHATE (CALGON)  
ALGINATES ('MANUCOL' BRAND)

*Please address enquiries to*

**ALBRIGHT & WILSON LTD**

49 PARK LANE, LONDON, W.1 Telephone: GRO. 1311  
Telegrams: *Albriwil* Phone London Cables: *Albriwil* London



36 GCE

*A reputation  
for reliability . . .*

**"Sentinel"**

ALL COTTON WOOL

**SANI-TOWELS**

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

also

**'KUMFEX' SOLUBLE**

(all with loop ends)

★ Supplies unfortunately restricted at present  
**SPLENDOR LTD. Nottingham & London**

**10,000,000  
people will see this  
Poster  
THROUGHOUT  
THE SUMMER**



**BRONTAN, LTD.**

1, Broad St. Buildings, Liverpool St.,  
London, E.C.2. Phone:  
BISHOPSGATE 6383.



# BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY  
IDENTICAL WITH THAT OF PRE-WAR PREPARATION

cause of our heavy purchases immediately before war broke out. Our stocks  
still considerable and the high MBL standard will be fully maintained.

HERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

ITEM	DESCRIPTION	Retail Prices (inclusive of Tax)	CHEMISTS' PRICE			
			Per unit		Per dozen	
			Net	+ Purchase Tax	Net	+ Purchase Tax
ANTIPEOL						
MENT	4 oz. tube ...	... 6/8½	4/2½	+ 8½	50/5	+ 8/5
	40 gr. "	... 3/4½	2/1½	+ 4½	25/3	+ 4/3
	20 gr. "	... 1/10½	1/2	+ 2½	14/-	+ 2/4
UID	40 c.c. bottle	... 3/4½	2/1½	+ 4½	25/3	+ 4/3
BHTHALMO-ANTIPEOL						
	gr. Nozzled Tube	... 3/4½	2/1½	+ 4½	25/3	+ 4/3
BINO-ANTIPEOL						
	gr. Nozzled Tube	... 2/9½	1/9	+ 3½	21/-	+ 3/6
TEROFAGOS (ORAL AND INJECTABLE)						
	1 of 50 ampoules	... 19/-	13/3½	None	159/7	None
	10 "	... 4/3	3/-	None	35/8	None
	5 "	... 2/6	1/9	None	21/-	None
TENSYL						
	of 500 tablets ...	... 39/-	24/-	+ 4/-	288/-	+ 48/-
	of 50 "	... 4/5½	2/8½	+ 5½	32/4	+ 5/3
JAMES' BALM						
	of approx. 2½ oz.	... 2/10	1/11	+ 4	22/6	+ 3/9
	" 1 oz.	... 1/5	11	+ 2	11/3	+ 1/11
	" ...	... 1/2	9	+ 2	9/-	+ 1/6

Carriage paid on all orders of 1 dozen or £1 and over.  
Terms: NETT, Monthly Account.

£750

"PRINCESS OF BEAUTY"  
CONTEST

SPONSORED  
BY

*Missie* SHAMPOO

WONDERFUL FIRST PRIZE INCLUDES  
£150 cash, 2 weeks' holiday in  
SWEDEN, 12 months' free hair and  
beauty treatment and option of em-  
ployment on demonstration staff.  
Many other prizes for remaining

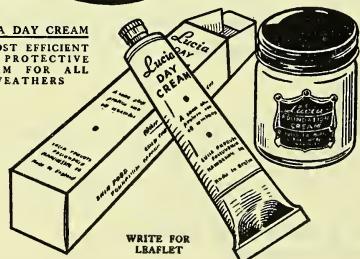
To be judged by Stars of Stage, Screen and Radio.

Baldwin Chemical Industries Ltd., Station Approach, Waltham Cross, Herts.

competitors brings total to £750.  
THIS MEANS HEAVY DEMAND  
National advertising will tell the  
public. You will be asked for Missie  
Shampoo and the Competition Entry  
Forms.



LUCIA DAY CREAM  
A MOST EFFICIENT  
SKIN PROTECTIVE  
CREAM FOR ALL  
WEATHERS



LUCIA PRODUCTS  
WILMSLOW ROAD, FALLOWFIELD, MANCHESTER 14.

*Tessa*  
LIPSTICKS  
and REFILLS



Cosmetized from our  
exclusive American  
Formula into the  
Season's latest  
shades

★ YOU ARE SUPPORTED BY EXTENSIVE  
ADVERTISING

Send for Shade Card and  
details of Trade terms.

J. DUNHILL MANUFACTURING CO.  
17 WOODSTOCK STREET, LONDON, W.  
TELEPHONE: MAYFAIR 1603



To link your business with Scholl, to identify yourself with the most complete service for foot care ever offered to the public, and a name which is known all over the world.

To begin with, there is the Scholl headquarters in London, with every technical resource for producing all types of foot appliances, chiropody instruments, equipment, and medicaments for ailments of the feet.

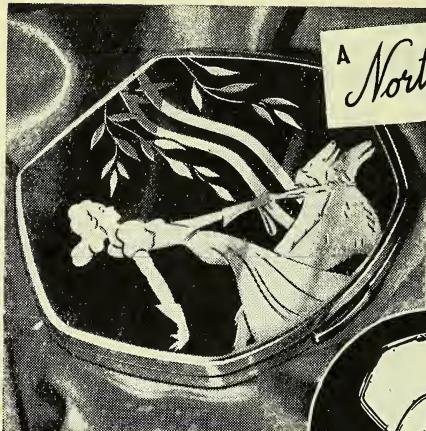
Next, there is our Educational department. Its work is to teach Scholl's methods of foot relief,

and to train staff in the scientific fitting of foot appliances.

- Last, but most important to the millions who suffer from minor foot troubles is the Scholl service of Foot Aids to you—our dealers.
- There are over one hundred Scholl Foot Aids, all laboratory-tested, and each one designed to relieve a specific ailment. They sell by the million and never stop selling all the year round. Seven out of ten people who pass your shop are potential customers for Foot Aids.

*Get in touch with us and let us send you our price-list.*

E SCHOLL MANUFACTURING CO. LTD. • 182-204 ST. JOHN STREET, LONDON, ECI



A Northfield PRODUCT

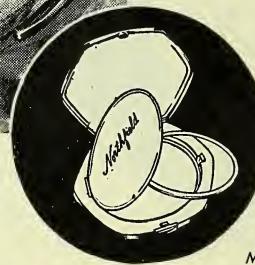
THE Diana

METAL COMPACT

(Gilding Metal Case)

- ★ GILT DESIGN
- ★ UNCHIPPABLE BLACK BACKGROUND
- ★ INNER LID AND SIFTER
- ★ BOXED SINGLY, EACH IN POUCHET

Just one of our many quality quick sellers which enhance your reputation  
Supplied to bona fide Wholesalers  
Export Trade only.  
(Retail enquiries will be passed to stockists)



Other lines manufactured include :

- Plated Egg Sets
- Cigarette Cases (slide action)
- Tableware and other compacts

Provincial Representative: -  
HAROLD E. COULSTING, LTD  
Dept. C.D. 39 High St., Manchester  
Telephone: DÉAnsgate 2774 (2 lines)

London Representative: -  
CONRAD M. EASMAN  
Dept. C.D. 145/7 Northfield Aven  
West Ealing, London, W.13  
Telephone: Ealing 1426 - 5

Manufactured by:  
SALTMAN ENGINEERING CO. LTD. Lond.

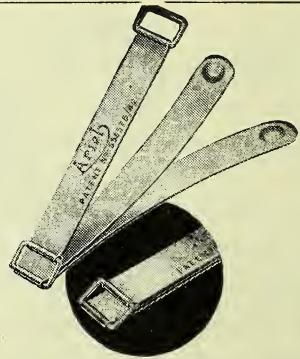
Gives hair NEW LIFE

# BIOCRIN

Pomade Treatment Shampoo

A Fast Selling,  
Quick Repeating  
& Highly Profitable Line  
Backed by an Extensive  
Advertising Campaign.  
Retail Prices: 5/- and 3/-.

VINE'S BIORIN LTD., LONDON, W.2

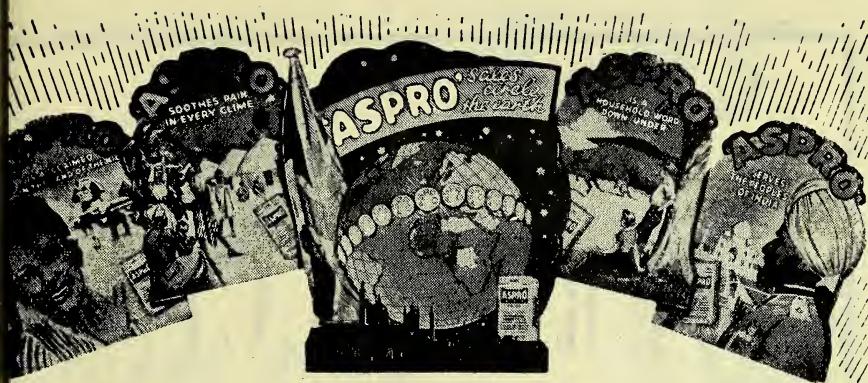


# ARIEL

## CURLERS

Obtainable through your  
usual wholesaler

MADE BY S & D RIVET CO LTD  
TEMPLE ROAD · LEICESTER



# A GRAND DISPLAY AND A GRAND SELLER!

*Have you seen it?*

The new 'ASPRO' display is a credit to any window. It is attractive—and effective. It makes the passer-by stop, and look—and it turns passers-by into customers at a record rate. Window space devoted to 'ASPRO' is space that REALLY pays because national advertising and proved service have made 'ASPRO' a product which MOST PEOPLE WANT. Nine times out of ten, people already have it in their minds to buy 'ASPRO', and a display turns the thought into a purchase—in your shop. Your customers multiply—sales in your other lines increase. You are, in fact, tapping a great reservoir of public demand, for

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AS SOON AS  
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**P.A.T.A.**

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